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Analyses of Commercial Fertilizers

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BULLETIN NO. 336

Analyses of Commercial Fertilizers

By H. E. Curtis, H. R. Allen and Lelah Gault

This Bulletin gives the names of all brands of fertilizer registered in this State during the year 1932, the names of the manufacturers and the official analyses.

Those interested in the use of fertilizers for different crops should apply to the College of Agriculture, the Experiment Station, or to their County Agents, and such literature as bears on the subject in which they are interested will be furnished. Bulletins Nos. 322 and 331 of the Experiment Station, showing the results obtained on the soil experiment fields, are of special interest to all users of fertilizers.

Samples Analyzed

During the year, 719 brands of fertilizers were registered as follows:

Complete fertilizers, containing all three of the essential ingredients—phosphoric acid, nitrogen and potash	463 brands
Nitrogenous superphosphates	17 brands
Superphosphates and potash mixtures	48 brands
Superphosphates	115 brands
Bones, tankage, etc	40 brands
Nitrate of soda, sulfate of ammonia, etc.	26 brands
Potash salts	10 brands

We have analyzed 655 samples of fertilizer collected by our inspectors or sent in by various persons in the State, in addition to the official samples. These analyses are to be found in the following pages, and have been divided into two groups. The first group, Table I, contains all analyses that are considered satisfactory, either because the analyses run high in all respects, or the deficiency in one ingredient is fully met by the excess in another. The second group, Table II, contains those analyses that are considered deficient.

As has been our custom, we have shown an index of relative value for the purpose of comparison. The following factors were used in computing these values:

Available phosphoric acid in mixed fertilizers	1.5
Available phosphoric acid in superphosphates	1.2
Phosphoric acid in bone	1.0
Nitrogen in all fertilizers	4.0
Potash from muriate	1.2
Potash from sulfate	1.5

Explanation of the Tables

In the tables of analyses, following the name of each brand, will be found the analyses of such samples as have been collected by our inspectors, sent in by farmers, or furnished by the manufacturer, and the manufacturer's guaranty, printed last, in italic figures. In Table II, the figures in bold-face type are those results which are considered too low to be acceptable. Sometimes the same brand of fertilizer will be found in both Tables I and II, in which case it is marked in each table with a (†) dagger.

There are a number of samples in which the potash is guaranteed from sulfate and the analysis shows the potash classed as muriate. Some of these analyses have been placed in Table I, while others were placed in Table II.

Effective January 1, 1930, the following standards were made in an effort to raise the grade of the formulas sold in the State:

1. Complete fertilizers must contain a minimum of 14 percent of nitrogen, phosphoric acid and potash, the nitrogen and potash being not less than 2 percent each.

2. Ammoniated phosphates must contain 14 percent of nitrogen and phosphoric acid, the nitrogen being not less than 2 percent.

3. Phosphate and potash mixtures must contain 14 percent of phosphoric acid and potash, the potash being not less than 4 percent.

4. Superphosphates must contain not less than 16 percent of available phosphoric acid.

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	American Cyanamid Co.,	**New York City, N. Y.**
3042	Aero Cyanamid	Manufacturer
		Guaranteed
3043	Ammo-Phos 11-48-0	Manufacturer
		Guaranteed
3044	Ammo-Phos 16-20-0	Manufacturer
		Guaranteed
	The American Agricultural Chem.	**Co., Inc., Cincinnati, O.**
3725	A. A. 16% Superphosphate	S. E. Ray, Vine Grove
4272		H. D. Jones, Glasgow
4378		Grayson County Supply Co., Leitchfield
		Guaranteed
3726	A. A. 20% Superphosphate	S. E. Ray, Vine Grove
		Guaranteed
4273	A. A. Ground Bone	H. D. Jones, Glasgow
		Guaranteed
3308	A. A. Sure Crop Fertilizer	Manufacturer
		Guaranteed
3309	A. A. Tobacco and Truck Fertlizer	Manufacturer
		Guaranteed
3310	A. A. High Potash Tobacco Grower	Manufacturer
		Guaranteed
3727	A. A. Kentucky Tobacco Grower	Woodson Lewis and Son, Greensburg
4039		C. L. Bell, Livia
4040		Geo. W. Hill and Co., Covington
		Guaranteed
3728	A. A. Corn and Wheat Phosphate	S. E. Ray, Vine Grove
4041		Redmans Farmers, Williamsburg
4042		Chas. Cornwell and Son, Rothwell
		Guaranteed
3729	A. A. Corn and Cotton Grower	J. W. Schoolcraft, Somerset
4336		E. S. Ferrill and Sons, Buffalo
		Guaranteed
3314	A. A. Antler Fertilizer	Manufacturer
		Guaranteed
3315	A. A. Paramount Fertilizer	Manufacturer
		Guaranteed
3316	A. A. Burley Tobacco Grower	Manufacturer
		Guaranteed
3317	A. A. High Grade Tobacco Grower	Manufacturer
		Guaranteed
4043	A. A. Buckeye Fertilizer	Harlan Fruit Co., Harlan
		Guaranteed
3319	A. A. Two in One Fertilizer	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
	22.36							89.4	3042
	22.00							*88.0*	
10.45	10.80	49.35						117.2	3043
	11.00	*48.00*						*116.0*	
16.48	16.48	20.65						96.9	3044
	16.00	*20.00*						*94.0*	
		16.30						19.6	3725
		15.95						19.1	4272
		16.60						19.9	4378
		16.00						*19.2*	
		20.80						25.0	3726
		20.00						*24.0*	
	2.22		27.60	81	19			36.5	4273
	1.65		*27.00*					*33.6*	
1.97	1.97	7.90				3.96		24.5	3308
	2.00	*8.00*				*4.00*		*24.8*	
2.10	2.10	8.45					5.00	28.6	3309
	2.00	*8.00*					*5.00*	*27.5*	
2.04	2.04	7.75				10.09		31.9	3310
	2.00	*8.00*				*10.00*		*32.0*	
1.91	1.91	10.30				2.04		25.5	3727
1.96	1.96	10.50				2.13		26.2	4039
2.00	2.00	10.50				2.27		26.5	4040
	2.00	*10.00*				*2.00*		*25.4*	
2.01	2.01	10.55				2.17		26.5	3728
2.02	2.02	10.70				2.04		26.6	4041
2.04	2.04	10.55				2.23		26.7	4042
	2.00	*10.00*				*2.00*		*25.4*	
1.90	1.90	12.00				2.03		28.0	3729
1.95	1.95	12.15				2.14		28.6	4336
	2.00	*12.00*				*2.00*		*28.4*	
2.09	2.09	12.45				6.06		34.3	3314
	2.00	*12.00*				*6.00*		*33.2*	
2.86	2.86	8.00				6.11		30.8	3315
	3.00	*8.00*				*6.00*		*31.2*	
2.71	2.91	8.95				1.36	4.91	34.1	3316
	3.00	*8.00*					*6.00*	*33.0*	
2.88	2.88	10.10					2.99	31.2	3317
	3.00	*10.00*					*3.00*	*31.5*	
3.09	3.09	12.95				4.27		36.9	4043
	3.00	*12.00*				*4.00*		*34.8*	
4.29	4.29	16.50				3.95		46.7	3319
	4.00	*16.00*				*4.00*		*44.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The American Agricultural Chem.	**Co., Inc., Cincinnati, O.—Cont.**
3320	A. A. Top Notch Fertilizer	Manufacturer
		Guaranteed
3321	Agrico for Grain	Manufacturer
		Guaranteed
4044	Agrico for Corn	W. B. Taylor, Tilford
		Guaranteed
4045	Agrico for Potatoes	Kentucky Wholesale Co., Pikeville
		Guaranteed
3730	Agrico for Tobacco	V. R. Sanders, Rocky Hill
3731		Norris Hardware and Seed Co., Henderson
3732		Taylor County Supply Co., Campbellsville
3733		J. W. Schoolcraft, Somerset
		Guaranteed
3325	Agrico	Manufacturer
		Guaranteed
4046	Agrico for Truck	Geo. W. Hill and Co., Covington
		Guaranteed
3734	A. A. 10-4 Mixture	J. W. Schoolcraft, Somerset
4047		J. R. Shelley, Albany
4048		Frank Baker, Clarkson
		Guaranteed
3735	†A. A. Basic Lime Phosphate	S. E. Ray, Vine Grove
4337		E. S. Ferrill and Sons, Buffalo
		Guaranteed
3329	Bowker's 16% Superphosphate	Manufacturer
		Guaranteed
3736	Bowker's 20% Superphosphate	J. W. Schoolcraft, Somerset
		Guaranteed
4050	Bowker's Harvest Queen Fertilizer	Harlan Fruit Co., Harlan
		Guaranteed
3332	Bowker's Tobacco Grower	Manufacturer
		Guaranteed
4051	Bowker's High Potash Tobacco Grower	Harlan Fruit Co., Middlesboro
		Guaranteed
3334	Bowker's Burley Tobacco Grower	Manufacturer
		Guaranteed
4052	Bowker's Paramount Fertilizer	Bokhara Seed Co., Falmouth
		Guaranteed
3336	Bowker's High Grade Tobacco Grower	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
9.05	9.54	7.10				4.09		53.7	3320
	10.00	*6.00*				*4.00*		*53.8*	
1.70	2.08	13.05				4.00		32.7	3321
	2.00	*12.00*				*4.00*		*30.8*	
3.04	3.04	10.45				6.08		35.1	4044
	3.00	*10.00*				*6.00*		*34.2*	
3.84	3.84	8.30				6.34		35.4	4045
	4.00	*8.00*				*6.00*		*35.2*	
3.90	3.90	10.75				3.60	2.40	39.7	3730
3.57	3.80	12.05				0.64	5.43	42.2	3731
3.58	3.80	10.65				0.64	5.18	39.7	3732
3.53	3.77	10.85				0.64	5.10	39.8	3733
	4.00	*10.00*					*6.00*	*40.0*	
4.96	4.96	9.55				0.56	5.45	43.0	3325
	5.00	*9.00*					*6.00*	*42.5*	
4.67	4.89	10.85				4.91		41.7	4046
	5.00	*10.00*				*5.00*		*41.0*	
		9.95				3.98		19.7	3734
		9.95				4.14		19.9	4047
		10.00				4.00		19.8	4048
		10.00				*4.00*		*19.8*	
		14.05						16.9	3735
		14.00						16.8	4337
		14.00						*16.8*	
		16.00						19.9	3329
		16.00						*19.2*	
		20.40						24.5	3736
		20.00						*24.0*	
2.06	2.06	8.30				4.03		25.5	4050
	2.00	*8.00*				*4.00*		*24.8*	
2.10	2.10	8.45					5.00	28.6	3332
	2.00	*8.00*					*5.00*	*27.5*	
2.01	2.01	8.45				9.90		32.6	4051
	2.00	*8.00*				*10.00*		*32.0*	
2.71	2.91	8.95				1.36	4.91	34.1	3334
	3.00	*8.00*					*6.00*	*33.0*	
2.82	2.82	8.95				5.62		31.5	4052
	3.00	*8.00*				*6.00*		*31.2*	
2.88	2.88	10.10					2.99	31.2	3336
	3.00	*10.00*					*3.00*	*31.5*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The American Agricultural Chem. Co., Inc., Cincinnati, O.—Cont.	
3737	M. C. 16% Superphosphate	Geo. Richardson, Somerset
3738		V. R. Sanders, Rocky Hill
3739		Otto Keith, Upton
4338		Denton Hardware Co., Madisonville
4339		Norris Hardware and Seed Co., Henderson
		Guaranteed
3740	M. C. 20% Superphosphate	T. F. Durham Implement Co., Stanford
3741		H. D. Jones, Glasgow
4053		Greenup Milling Co., Grayson
		Guaranteed
3742	M. C. Red Line Complete Manure	C. P. Clark and Son, Owensboro
3743		H. D. Jones, Glasgow
3744		J. W. Schoolcraft, Somerset
3745		Woodson Lewis and Son, Greensburg
		Guaranteed
3746	M. C. Homestead Potato and Tobacco Special	C. P. Clark and Son, Owensboro
4054		C. B. Carden, Hartford
		Guaranteed
4055	M. C. Homestead High Potash Tobacco Grower	Greenup Milling Co., Grayson
		Guaranteed
3747	M. C. Homestead Burley Tobacco Grower	T. F. Durham Implement Co., Stanford
3748		H. D. Jones, Glasgow
3749		Pollard Bros., Cropper
4056		T. F. Lake, Hartford
		Guaranteed
3750	M. C. Paramount Fertilizer	C. P. Clark and Son, Owensboro
3751		W. R. Myers, Columbia
3752		Lebanon Carriage and Implement Co., Lebanon
		Guaranteed
3753	M. C. Homestead Bone Black Fertilizer	Henderson and Hardy Co., Shepherdsville
3754		J. W. Schoolcraft, Somerset
3755		Taylor County Supply Co., Campbellsville
4057		C. B. Goering, Hawesville
4340		Mayhew Feed Co., Franklin
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		16.55						19.9	3737
		17.25						20.7	3738
		16.90						20.3	3739
		18.05						21.7	4338
		17.25						20.7	4339
		16.00						*19.2*	
		19.55						23.5	3740
		19.40						23.4	3741
		20.15						24.2	4053
		20.00						*24.0*	
1.92	1.92	8.15				4.19		24.9	3742
1.95	1.95	8.00				4.15		24.8	3743
1.91	1.91	8.30				3.99		24.9	3744
1.97	1.97	8.10				4.29		25.2	3745
	2.00	*8.00*				*4.00*		*24.8*	
1.97	1.97	8.50					5.14	28.3	3746
2.03	2.03	9.00					5.12	29.3	4054
	2.00	*8.00*					*5.00*	*27.5*	
2.12	2.12	8.90				10.03		33.9	4055
	2.00	*8.00*				*10.00*		*32.0*	
2.95	2.95	8.65					5.97	33.7	3747
2.88	2.88	8.60				0.72	5.23	33.1	3748
2.95	2.95	8.50					6.00	33.6	3749
3.02	3.02	9.15					6.11	35.0	4056
	3.00	*8.00*					*6.00*	*33.0*	
3.01	3.01	8.35				6.33		32.2	3750
2.84	2.84	9.35				5.98		32.6	3751
3.04	3.04	8.85				6.34		33.1	3752
	3.00	*8.00*				*6.00*		*31.2*	
2.89	2.89	9.15				2.06		27.8	3753
3.00	3.00	9.45				2.00		28.6	3754
2.94	2.94	9.15				2.23		28.2	3755
3.07	3.07	9.70				2.09		29.3	4057
3.06	3.06	9.30				2.46		29.1	4340
	3.00	*9.00*				*2.00*		*27.9*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The American Agricultural Chem. Co., Inc., Cincinnati, O.—Cont.	
3756	M. C. Homestead Tobacco Grower	Lebanon Carriage and Implement Co., Lebanon
3757		Pollard Bros., Cropper
3758		Norris Hardware and Seed Co., Henderson
4058		Chas. Cornwell and Son, Rothwell
4059		Morganfield Hardware Co., Morganfield
4274		E. S. Ferrill and Sons, Buffalo
		Guaranteed
3759	N-W Horseshoe 16% Superphosphate	Woodson Lewis and Son, Greensburg
3760		J. W. Morgan, Pine Knot
4060		Frank Baker, Clarkson
4275		E. S. Ferrill and Sons, Buffalo
		Guaranteed
4061	N-W Horseshoe 20% Superphosphate	Frank Baker, Clarkson
		Guaranteed
4062	N-W Horseshoe Dark Tobacco Grower	Lemon Lumber Co., Providence
		Guaranteed
4063	N-W Horseshoe Tobacco Grower	Lemon Lumber Co., Providence
		Guaranteed
3350	N-W Horseshoe High Potash Tobacco Grower	Manufacturer
		Guaranteed
4064	N-W Horseshoe Challenge Corn Grower	Grayson County Supply Co., Leitchfield
4065		Frank Baker, Clarkson
4379		Grayson County Supply Co., Leitchfield
		Guaranteed
3352	N-W Horseshoe Corn and Wheat Phosphate	Manufacturer
		Guaranteed
3353	N-W Horseshoe Paramount Fertilizer	Manufacturer
		Guaranteed
3354	N-W Horseshoe Burley Tobacco Grower	Manufacturer
		Guaranteed
3355	N-W Horseshoe General Crop Grower	Manufacturer
		Guaranteed
3761	N-W Horseshoe High Grade Tobacco Grower	J. W. Morgan, Pine Knot
4066		Geo. W. Hill Co., Covington
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
3.02	3.02	10.55					3.01	32.4	3756
2.98	2.98	10.85					3.12	32.9	3757
2.88	2.88	10.90					3.12	32.6	3758
3.00	3.00	10.65					3.10	32.6	4058
2.92	2.92	10.95					3.02	32.6	4059
2.18	2.85	10.45					3.01	31.6	4274
	3.00	*10.00*					*3.00*	*31.5*	
		16.05						19.3	3759
		16.00						19.2	3760
		16.05						19.3	4060
		16.10						19.3	4275
		16.00						*19.2*	
		20.15						24.2	4061
		20.00						*24.0*	
2.04	2.04	8.50				4.13		25.9	4062
	2.00	*8.00*				*4.00*		*24.8*	
2.02	2.02	9.20				0.88	4.16	29.2	4063
	2.00	*8.00*					*5.00*	*27.5*	
2.04	2.04	7.75				10.09		31.9	3350
	2.00	*8.00*				*10.00*		*32.0*	
1.90	1.90	10.50				2.11		25.9	4064
1.89	1.89	10.30				2.11		25.5	4065
1.90	1.90	10.45				2.41		26.2	4379
	2.00	*10.00*				*2.00*		*25.4*	
1.92	1.92	10.15				2.23		25.6	3352
	2.00	*10.00*				*2.00*		*25.4*	
2.86	2.86	8.00				6.11		30.8	3353
	3.00	*8.00*				*6.00*		*31.2*	
2.71	2.91	8.95				1.36	4.91	34.1	3354
	3.00	*8.00*					*6.00*	*33.0*	
3.14	3.14	9.20				2.08		28.9	3355
	3.00	*9.00*				*2.00*		*27.9*	
2.98	2.98	9.95					3.10	31.5	3761
2.95	2.95	10.85					3.14	32.8	4066
	3.00	*10.00*					*3.00*	*31.5*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Armour Fertilizer Works, Louisville, Cincinnati, Nashville.	
3762	Big Crop 16% Superphosphate	Jasper Produce Co., Science Hill
3763		Trigg County Trading Co., Cadiz
3764		Taylor County Supply Co., Campbellsville
3765		Wilson, Miles and Co., Russellville
4276		Flemingsburg Mills, Flemingsburg
4277		Otto Keith, Upton
4278		White and Crabtree, Greensburg
4279		Henderson and Hardy Co., Shepherdsville
4280		Taylor County Supply Co., Campbellsville
		Guaranteed
4067	Big Crop 20% Superphosphate	Robinson and Turley, Richmond
4068		J. C. Everett and Co., Maysville
4281		J. C. Everett and Co., Maysville
4282		White and Crabtree, Greensburg
4283		Henderson and Hardy Co., Shepherdsville
		Guaranteed
3153	Big Crop 32% Superphosphate	Manufacturer
		Guaranteed
3154	Big Crop 45% Superphosphate	Manufacturer
		Guaranteed
3766	Big Crop 2-10-2 Fertilizer	Taylor County Supply Co., Campbellsville
3767		Jasper Produce Co., Science Hill
3768		Henderson and Hardy, Shepherdsville
4284		White and Crabtree, Greensburg
4285		Chas. Routte, Hodgenville
4286		Grigsby and Co., Bardstown
		Guaranteed
3156	Big Crop 2-10-4 Fertilizer	Manufacturer
		Guaranteed
3769	Big Crop 2-12-2 Fertilizer	J. W. Schoolcraft, Somerset
4069		Whitesburg Wholesale Co., Whitesburg
4070		E. M. Smith and Sons, Cynthiana
4287		J. C. Everett and Co., Maysville
4288		Chas. Routte, Hodgenville
		Guaranteed
3158	Big Crop 2-12-6 Fertilizer	Manufacturer
		Guaranteed
3159	Big Crop 2-16-8 Fertilizer	Manufacturer
		Guaranteed
3160	Big Crop 3-18-3 Fertilizer	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		16.10						19.3	3762
		16.80						20.2	3763
		15.85						19.0	3764
		17.45						21.9	3765
		16.80						20.2	4276
		16.30						19.6	4277
		16.60						19.9	4278
		16.30						19.6	4279
		16.15						19.4	4280
		16.00						*19.2*	
		20.95						25.1	4067
		21.00						25.2	4068
		20.50						24.6	4281
		20.30						24.4	4282
		20.35						24.4	4283
		20.00						*24.0*	
		32.85						39.4	3153
		32.00						*38.4*	
		45.85						55.0	3154
		45.00						*54.0*	
1.99	1.99	10.45				2.25		26.3	3766
2.06	2.06	10.25				2.13		26.2	3767
2.02	2.02	10.25				2.04		25.9	3768
1.64	1.84	11.20				2.41		27.1	4284
2.00	2.00	11.05				2.48		27.6	4285
1.91	1.91	10.20				2.46		25.9	4286
	2.00	*10.00*				*2.00*		*25.4*	
2.10	2.10	11.05				4.62		30.5	3156
	2.00	*10.00*				*4.00*		*27.8*	
1.95	1.95	12.20				2.08		28.6	3769
2.02	2.02	12.40				2.29		29.4	4069
1.77	2.00	12.05				2.17		28.7	4070
1.99	1.99	12.25				2.47		29.3	4287
2.02	2.02	12.20				2.99		30.0	4288
	2.00	*12.00*				*2.00*		*28.4*	
2.14	2.14	12.35				6.52		34.9	3158
	2.00	*12.00*				*6.00*		*33.2*	
2.32	2.32	15.75				8.96		43.7	3159
	2.00	*16.00*				*8.00*		*41.6*	
3.30	3.50	19.40				3.90		47.8	3160
	3.00	*18.00*				*3.00*		*42.6*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Armour Fertilizer Works, Louisville, Cincinnati, Nashville—Cont.	
3161	Big Crop 4-12-4 Fertilizer	Manufacturer
		Guaranteed
3770	Big Crop 4-16-4 Fertilizer	J. W. Schoolcraft, Somerset
3771		The T. J. Turley Co., Owensboro
4071		Brent and Co., Paris
4072		Wilson and Son, Golden Pond
		Guaranteed
3163	Big Crop 2-8-5 Fertilizer	Manufacturer
		Guaranteed
3772	†Big Crop 4-12-8 Fertilizer	Forbes Manufacturing Co., Hopkinsville
4341		Finley Hardware Co., Madisonville
4380		Beaver Dam Manufacturing and Supply Co., Beaver Dam
		Guaranteed
3773	Big Crop 3-10-3 Fertilizer	Forbes Manufacturing Co., Hopkinsville
		Guaranteed
3774	Big Crop 3-8-6 Fertilizer	Forbes Manufacturing Co., Hopkinsville
3775		Ed Allen, Smiths Grove
4342		Finley Hardware Co., Madisonville
		Guaranteed
3776	Big Crop 2-12-10 Fertilizer	The T. J. Turley Co., Owensboro
		Guaranteed
4289	Big Crop 0-10-4 Fertilizer	Chas. Routte, Hodgenville
4290		White and Crabtree, Greensburg
4343		Wilson-Miles and Co., Russellville
		Guaranteed
3777	Big Crop 0-10-5 Fertilizer	J. W. Schoolcraft, Somerset
		Guaranteed
3778	Big Crop 0-12-4 Fertilizer	Jasper Produce Co., Science Hill
		Guaranteed
3171	Big Crop 0-16-8 Fertilizer	Manufacturer
		Guaranteed
3779	Big Crop 2-8-4 Tobacco Grower	Hazelip and Neville, Glasgow Junction
		Guaranteed
3780	Big Crop Burley Tobacco Grower 3-8-6	J. W. Schoolcraft, Somerset
3781		Hazelip and Neville, Glasgow Junction
4075		Brent and Co., Paris
		Guaranteed
3782	Big Crop Plant Bed Special 4-8-3	Barber Hardware Co., Springfield
4076		E. H. Mulliken, Bedford
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
4.18	4.18	13.30				4.66		42.3	3161
	4.00	*12.00*				*4.00*		*38.8*	
3.85	3.85	16.45				4.00		44.9	3770
3.98	3.98	16.15				3.98		44.9	3771
3.95	3.95	16.35				4.39		45.6	4071
3.83	3.83	16.65				3.87		44.9	4072
	4.00	*16.00*				*4.00*		*44.8*	
2.16	2.16	9.20				5.35		28.9	3163
	2.00	*8.00*				*5.00*		*26.0*	
3.96	3.96	12.60				7.69		44.0	3772
3.73	3.73	12.85				7.60		43.3	4341
4.19	4.19	12.55				8.56		45.9	4380
	4.00	*12.00*				*8.00*		*43.6*	
2.95	2.95	10.35				3.07		31.0	3773
	3.00	*10.00*				*3.00*		*30.6*	
2.85	2.85	8.25				5.80		30.7	3774
2.73	2.73	8.80				5.71		31.0	3775
2.89	2.89	8.70				6.05		31.9	4342
	3.00	*8.00*				*6.00*		*31.2*	
2.28	2.28	12.50				10.19		40.1	3776
	2.00	*12.00*				*10.00*		*38.0*	
		10.70				5.76		23.0	4289
		10.00				4.17		20.0	4290
		10.05				3.97		19.8	4343
		10.00				*4.00*		*19.8*	
		9.95				5.61		21.7	3777
		10.00				*5.00*		*21.0*	
		11.90				4.75		23.6	3778
		12.00				*4.00*		*22.8*	
		16.40				8.75		35.1	3171
		16.00				*8.00*		*33.6*	
1.51	1.96	7.95					4.25	26.2	3779
	2.00	*8.00*					*4.00*	*26.0*	
2.02	2.72	7.95				0.80	5.08	31.4	3780
2.28	3.04	8.00					6.03	33.2	3781
2.27	2.93	9.35				1.04	5.96	35.9	4075
	3.00	*8.00*					*6.00*	*33.0*	
2.93	3.79	8.00					3.05	31.7	3782
2.86	3.81	8.30					3.08	32.3	4076
	4.00	*8.00*					*3.00*	*32.5*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Armour Fertilizer Works, Louisville, Cincinnati, Nashville—Cont.	
3783	Big Crop High Analysis Burley Tobacco Grower 4-12-8	Taylor County Supply Co., Campbellsville
4077		J. C. Everett and Co., Maysville
		Guaranteed
3784	Big Crop Potato Grower 3-8-6	Henderson and Hardy Co., Shepherdsville
4078		Broadway Feed Co., London
4079		Whitesburg Wholesale Co., Whitesburg
4080		J. C. Van Arsdell Co., Lawrenceburg
		Guaranteed
3177	Big Crop High Analysis Potato Grower 4-12-8	Manufacturer
		Guaranteed
3785	Big Crop Truck Grower 4-8-3	Powell-Hackney Grocery Co., Jackson
4081		Powell-Hackney Grocery Co., Hazard
		Guaranteed
3179	Big Crop Special Top Dressing 12-8-4	Manufacturer
		Guaranteed
3786	Big Crop Old Black Joe 2-10-4	Lambert-Gresham Hardware Co., Henderson
4082		J. Stotz, Greenville
4381		J. Stotz, Greenville
		Guaranteed
4344	Big Crop Raw Bone 3.70-22-0	The T. J. Turley Co., Owensboro
		Guaranteed
3182	Big Crop Bone Meal 2.50-24-0	Manufacturer
		Guaranteed
3787	Armour's Sulphate of Ammonia	The T. J. Turley Co., Owensboro
		Guaranteed
3788	Armour's Nitrate of Soda	Wilson, Miles and Co., Russellville
4345		Finley Hardware Co., Madisonville
		Guaranteed
3789	Armour's Muriate of Potash	The T. J. Turley Co., Owensboro
		Guaranteed
3186	Armour's Sulphate of Potash	Manufacturer
		Guaranteed
3790	Armour's N. P. K. 9-27-9	The T. J. Turley Co., Owensboro
		Guaranteed
3188	Armour's N. P. K. 9-18-18	Manufacturer
		Guaranteed
3189	Armour's Vert	Manufacturer
		Guaranteed
3593	Armour's Plant Bed Fertilizer	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
3.02	3.84	12.25				0.72	7.28	45.5	3783
3.16	3.95	11.95				1.04	7.55	46.3	4077
	4.00	*12.00*					*8.00*	*46.0*	
2.91	2.91	7.90				5.98		30.7	3784
2.90	2.90	8.90				6.08		32.3	4078
2.80	2.80	8.60				6.44		31.8	4079
2.81	2.81	8.45				5.93		31.0	4080
	3.00	*8.00*				*6.00*		*31.2*	
4.14	4.14	12.90				9.00		46.7	3177
	4.00	*12.00*				*8.00*		*43.6*	
3.86	3.86	8.35				2.97		31.5	3785
2.94	3.67	8.35				3.31		31.2	4081
	4.00	*8.00*				*3.00*		*31.6*	
12.38	12.38	8.30					4.54	68.8	3179
	12.00	*8.00*					*4.00*	*66.0*	
1.63	1.96	9.95				4.54		28.2	3786
1.72	2.12	9.95				4.40		28.7	4082
1.78	2.04	10.50				4.06		28.8	4381
	2.00	*10.00*				*4.00*		*27.8*	
	3.77		23.15	27	73			38.2	4344
	3.70		*22.00*					*36.8*	
	2.69		26.50	100				37.3	3182
	2.50		*24.00*					*34.0*	
	20.56							82.2	3787
	20.00							*80.0*	
	15.48							61.9	3788
	15.76							63.0	4345
	15.00							*60.0*	
						47.32		56.8	3789
						48.00		*57.6*	
						2.96	47.40	74.7	3186
							48.00	*72.0*	
8.68	8.89	26.05				9.81		86.4	3790
	9.00	*27.00*				*9.00*		*87.3*	
9.08	9.08	18.10				18.00		85.1	3188
	9.00	*18.00*				*18.00*		*84.6*	
5.18	5.18	9.35				4.40	2.41	43.7	3189
	5.00	*8.00*				*6.00*		*39.2*	
3.05	3.33	11.85						31.1	3593
	3.00	*11.00*						*28.5*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Armour Fertilizer Works,	**Louisville, Cincinnati, Nashville—Cont.**
4083	Big Crop 4-8-4 Fertilizer	Robinson and Turley, Richmond
		Guaranteed
3675	Armour's 4-8-4 Special Fertilizer	Manufacturer
		Guaranteed
3676	Armour's 10-6-3 Fertilizer	Manufacturer
		Guaranteed
3714	Big Crop 2-8-4 Fertilizer	Manufacturer
		Guaranteed
4084	Big Crop Bonus "A" Humus	Albert Patrick, Summer
		Guaranteed
4269	Big Crop 16% Lime Phosphate	Manufacturer
		Guaranteed
	The Barrett Company,	**New York City, N. Y.**
3266	Arcadian Nitrate of Soda	Manufacturer
		Guaranteed
4085	Arcadian Sulphate of Ammonia	C. A. Mitchell, Clay
		Guaranteed
3268	Sulphate of Ammonia	Manufacturer
		Guaranteed
	Baugh and Sons Co. of Ohio,	**Canton, O.**
3705	Baughgro	Manufacturer
		Guaranteed
4086	Baugh's Ohio Beet and Potato Special	Ben Williamson and Co., Ashland
		Guaranteed
4087	Baugh's Double Power Fertilizer	Ben Williamson and Co., Ashland
		Guaranteed
3708	Baughphos, The Ideal 16% Superphosphate	Manufacturer
		Guaranteed
	The C. S. Brent Seed Co., Inc.,	**Lexington, Ky.**
4088	Grain Grower	Manufacturer's warehouse
		Guaranteed
4089	Burley Tobacco Grower	Manufacturer's warehouse
		Guaranteed
4016	Superphosphate 16%	Manufacturer
		Guaranteed
	The Buhner Fertilizer Co.,	**Seymour, Ind.**
3281	Holman's Special Tobacco Grower 6-8-5	*
		Guaranteed
3282	Buhner's Blue Grass Special Tobacco Grower 6-8-5	*
		Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
3.51	3.51	8.60				4.43		32.3	4083
	4.00	*8.00*				*4.00*		*32.8*	
3.49	4.43	8.50				0.72	3.99	37.3	3675
	4.00	*8.00*					*4.00*	*34.0*	
9.56	10.64	6.60				0.72	2.96	57.8	3676
	10.00	*6.00*				*3.00*		*52.6*	
2.14	2.14	8.40				4.14		26.1	3714
	2.00	*8.00*				*4.00*		*24.8*	
2.08	2.08	12.15				2.20		29.2	4084
	2.00	*12.00*				*2.00*		*28.4*	
		15.90						19.1	4269
		16.00						*19.2*	
	16.16							64.6	3266
	16.00							*64.0*	
	20.48							81.9	4085
	20.56							*82.2*	
	20.72							82.9	3268
	20.56							*82.2*	
3.83	4.17	12.30				4.14		40.1	3705
	4.00	*12.00*				*4.00*		*38.8*	
2.78	3.05	8.50				5.93		32.1	4086
	3.00	*8.00*				*6.00*		*31.2*	
3.93	4.20	16.90				4.48		47.5	4087
	4.00	*16.00*				*4.00*		*44.8*	
		16.60						19.9	3708
		16.00						*19.2*	
1.98	1.98	10.25				2.13		25.9	4088
	2.00	*10.00*				*2.00*		*25.4*	
2.24	2.90	8.05				0.88	5.12	32.4	4089
	3.00	*8.00*					*6.00*	*33.0*	
		15.77						18.9	4016
		16.00						*19.2*	
									3281
	6.00	*8.00*				*5.00*		*42.0*	
									3282
	6.00	*8.00*				*5.00*		*42.0*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The Buhner Fertilizer Co., Seymour, Ind.—Cont.	
3284	Buhner's Special Tobacco Grower 4-16-4	*
		Guaranteed
3791	Buhner's High Grade Potato-Tobacco Grower 4-10-6	J. W. Faulkner, Campbellsville
		Guaranteed
3286	Buhner's Double Strength Potato-Tomato Grower 8-20-12	*
		Guaranteed
3287	Buhner's Special Potato Grower 4-8-4	*
		Guaranteed
3792	Buhner's Plant Bed Special 4-10-0	R. O. Hansbrough, Shelbyville
3793		S. S. Skaggs, Magnolia
		Guaranteed
3289	Buhner's Special Tomato Grower 3-10-7	*
		Guaranteed
3794	Buhner's High Grade Tobacco Grower 3-8-6 Muriate	R. O. Hansbrough, Shelbyville
4090		Lexington Seed Co., Lexington
		Guaranteed
3795	Buhner's Wheat and Corn Special 2-12-2	J. W. Faulkner, Campbellsville
4291		Pedigo and Harris, Eli
		Guaranteed
3796	†Buhner's Grain Grower 2-10-2	L. G. Pedigo, Eli
3797		S. S. Skaggs, Magnolia
4293		E. C. Miller, Buechel
		Guaranteed
3294	Buhner's Ideal Tobacco Grower 2-8-4	Manufacturer
		Guaranteed
3798	Buhner's 16% Superphosphate	L. G. Pedigo, Eli
4294		Pedigo and Harris, Eli
		Guaranteed
3296	Buhner's 20% Superphosphate	*
		Guaranteed
3297	Buhner's 40% Superphosphate	*
		Guaranteed
3298	Buhner's Raw Bone	Manufacturer
		Guaranteed
3799	Buhner's Special Crop Grower	J. W. Faulkner, Campbellsville
		Guaranteed
3301	Buhner's Nitrate of Soda	Manufacturer
		Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
									3284
	4.00	*16.00*				*4.00*		*44.8*	
2.53	3.52	10.20				7.49		38.4	3791
	4.00	*10.00*				*6.00*		*38.2*	
									3286
	8.00	*20.00*				*12.00*		*76.4*	
									3287
	4.00	*8.00*				*4.00*		*32.8*	
2.20	3.59	11.10						31.1	3792
2.38	4.07	10.25						31.7	3793
	4.00	*10.00*						*31.0*	
									3289
	3.00	*10.00*				*7.00*		*35.4*	
2.20	3.03	9.05				5.28	1.21	33.9	3794
1.44	2.60	9.35				2.64	3.04	32.2	4090
	3.00	*8.00*				*6.00*		*31.2*	
1.52	1.97	12.75				1.20	0.76	29.6	3795
1.59	2.32	13.20				2.12		31.6	4291
	2.00	*12.00*				*2.00*		*28.4*	
1.21	1.66	10.50				0.96	0.98	25.0	3796
1.62	2.19	10.50				1.60	1.16	28.2	3797
1.14	1.66	10.40				0.96	1.16	25.1	4293
	2.00	*10.00*				*2.00*		*25.4*	
1.58	2.22	9.80				4.37		28.8	3294
	2.00	*8.00*				*4.00*		*24.8*	
		15.70						18.8	3798
		16.90						20.3	4294
		16.00						*19.2*	
									3296
		20.00						*24.0*	
									3297
		40.00						*48.0*	
	4.15		24.25	73	27			40.9	3298
	3.20		*21.00*					*33.8*	
1.10	1.75	8.80				4.56	0.98	27.1	3799
	2.00	*8.00*				*6.00*		*27.2*	
	15.96							63.8	3301
	15.00							*60.0*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The Buhner Fertilizer Co., Seymour, Ind.—Cont.	
3302	Buhner's Sulphate of Ammonia	*
		Guaranteed
3303	Buhner's Muriate of Potash	Manufacturer
		Guaranteed
3304	Buhner's Sheep Manure	*
		Guaranteed
	Calumet Fertilizer Corporation, New Albany, Ind.	
3435	Calumet Brand Five-Twelve-Five	Manufacturer
		Guaranteed
	Chilean Nitrate Sales Corp., New York City, N. Y.	
3801	Champion Brand Chilean Nitrate of Soda	Farmers Union Supply Co., Glasgow
		Guaranteed
3046	Standard Chilean Nitrate of Soda	Manufacturer
		Guaranteed
	Cleveland Agricultural Chemical Co., New Albany, Ind.	
3803	Cleveland's Truck and Potato Grower	J. F. Collings, Shepherdsville
		Guaranteed
3585	Cleveland's Tobacco Plant Special	Manufacturer
		Guaranteed
3586	Cleveland's Potato and Tobacco Grower	Manufacturer
		Guaranteed
3587	Cleveland's Two-Twelve-Six	Manufacturer
		Guaranteed
3804	Cleveland's Royal Grain Grower	J. F. Collings, Shepherdsville
		Guaranteed
3589	Cleveland's Potash Manure	Manufacturer
		Guaranteed
3590	Cleveland's Pure Raw Bone	*
		Guaranteed
3591	Cleveland's 20% Superphosphate	Manufacturer
		Guaranteed
3805	Cleveland's 16% Superphosphate	J. F. Collings, Shepherdsville
		Guaranteed
3802	Cleveland's Plant Special	J. F. Collings, Shepherdsville
		Guaranteed
	The Consolidated Chemical Co., Louisville, Ky.	
3093	Camel Brand Nitro Tobacco Fertilizer	Manufacturer
		Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
									3302
	20.00							*80.0*	
						57.80		69.4	3303
						50.00		*60.0*	
									3304
	2.00	*1.00*					*1.00*	*11.0*	
4.80	4.80	13.35				5.37		45.7	3435
	5.00	*12.00*				*5.00*		*44.0*	
	16.08							64.3	3801
	16.00							*64.0*	
	15.76							63.0	3046
	15.25							*61.0*	
3.01	3.99	10.85				3.96		37.0	3803
	4.00	*10.00*				*4.00*		*35.8*	
2.63	4.19	9.20				4.35		35.8	3585
	4.00	*8.00*				*4.00*		*32.8*	
2.01	3.04	8.90				6.46		33.3	3586
	3.00	*8.00*				*6.00*		*31.2*	
1.67	2.23	13.05				6.13		35.9	3587
	2.00	*12.00*				*6.00*		*33.2*	
1.44	2.24	10.00				3.12		27.7	3804
	2.00	*10.00*				*3.00*		*26.6*	
		10.75				4.46		21.5	3589
		10.00				*5.00*		*21.0*	
									3590
	3.50		*21.50*					*35.5*	
		20.40						24.5	3591
		20.00						*24.0*	
		17.05						20.5	3805
		16.00						*19.2*	
4.35	5.77	8.40				6.02		43.9	3802
	6.00	*8.00*				*6.00*		*43.2*	
6.92	6.92	9.55				0.72	6.48	52.6	3093
	6.00	*8.00*					*6.00*	*45.0*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The Consolidated Chemical Co., Louisville, Ky.—Cont.	
3094	Camel Brand Nitro Tobacco Grower	Manufacturer
		Guaranteed
3095	Camel Brand Five-Ten-Five	Manufacturer
		Guaranteed
3096	Camel Brand Four-Ten-Four	Manufacturer
		Guaranteed
3097	Camel Brand Four-Sixteen-Four	Manufacturer
		Guaranteed
3098	Camel Brand Plant Bed Special	Manufacturer
		Guaranteed
3099	Camel Brand Double Potash Burley Grower	Manufacturer
		Guaranteed
3100	Camel Brand Burley Tobacco Grower	Manufacturer
		Guaranteed
3101	Camel Brand Potato Grower	Manufacturer
		Guaranteed
3806	Camel Brand Potato Mixture	Harvey Stout and Son, Buechel
3807		R. G. Willmott, Danville
		Guaranteed
3103	Camel Brand Tobacco Mixture	Manufacturer
		Guaranteed
3104	Camel Brand Truck and Tobacco Fertilizer	Manufacturer
		Guaranteed
3105	Camel Brand A-1 Grain Grower	Manufacturer
		Guaranteed
3106	Camel Brand Tomato Special	Manufacturer
		Guaranteed
3808	Camel Brand Corn and Wheat Fertilizer	Eubank Hardware Co., Eubank
		Guaranteed
3108	Camel Brand Beef, Blood and Bone	Manufacturer
		Guaranteed
3109	Camel Brand Old Time Tobacco Fertilizer	Manufacturer
		Guaranteed
3809	Camel Brand Blue Grass Tobacco Fertilizer	Rufus Rainwater, W. Somerset
		Guaranteed
3810	Camel Brand Harvest King	Eubank Hardware Co., Eubank
3811		J. B. Hatcher and Co., Glasgow Junction
4091		Shannon-Mercer and Co., Depoy
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
6.77	6.77	9.70				7.31		50.4	3094
	6.00	*8.00*				*6.00*		*43.2*	
5.97	5.97	11.55				6.11		48.5	3095
	5.00	*10.00*				*5.00*		*41.0*	
5.66	5.66	11.15				5.59		46.1	3096
	4.00	*10.00*				*4.00*		*35.8*	
5.18	5.18	17.55				4.75		52.8	3097
	4.00	*16.00*				*4.00*		*44.8*	
4.42	5.31	12.05						39.3	3098
	4.00	*10.00*						*31.0*	
4.16	4.16	9.75					13.11	50.9	3099
	3.00	*8.00*					*12.00*	*42.0*	
4.05	4.05	9.90					6.75	41.2	3100
	3.00	*8.00*					*6.00*	*33.0*	
4.00	4.00	9.95					7.12	41.6	3101
	3.00	*8.00*					*6.00*	*33.0*	
2.36	3.02	9.05				6.48		33.4	3806
2.61	3.13	9.35				5.89		33.6	3807
	3.00	*8.00*				*6.00*		*31.2*	
3.84	3.84	9.60				7.30		38.5	3103
	3.00	*8.00*				*6.00*		*31.2*	
3.80	3.80	9.90				3.84		34.7	3104
	3.00	*8.00*				*3.00*		*27.6*	
2.92	2.92	14.10				6.95		41.2	3105
	2.00	*12.00*				*6.00*		*33.2*	
2.92	2.92	13.90				7.20		41.2	3106
	2.00	*12.00*				*6.00*		*33.2*	
1.78	2.60	12.55				2.77		32.6	3808
	2.00	*12.00*				*2.00*		*28.4*	
2.89	2.89	12.40				2.99		33.8	3108
	2.00	*10.00*				*2.00*		*25.4*	
3.00	3.00	10.05					6.47	36.8	3109
	2.00	*8.00*					*5.00*	*27.5*	
1.65	2.20	8.10				4.18		26.0	3809
	2.00	*8.00*				*4.00*		*24.8*	
1.85	2.66	8.15				3.86		27.5	3810
1.69	2.39	9.00				4.44		28.4	3811
2.10	2.75	10.10				3.68		30.6	4091
	2.00	*8.00*				*4.00*		*24.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The Consolidated Chemical Co., Louisville, Ky.—Cont.	
3812	Camel Brand Ten and Ten Per Cent Potash	Rufus Rainwater, W. Somerset
		Guaranteed
3113	Camel Brand Phosphate and Potash	Manufacturer
		Guaranteed
3114	Camel Brand Phosphate and Tobacco	Manufacturer
		Guaranteed
3115	Camel Brand 40% Superphosphate	Manufacturer
		Guaranteed
3813	Camel Brand 24% Superphosphate	Rufus Rainwater, W. Somerset
		Guaranteed
3117	Camel Brand 20% Superphosphate	Manufacturer
		Guaranteed
3118	Camel Brand 16% Superphosphate	Manufacturer
		Guaranteed
3120	Camel Brand Steamed Bone Meal	Manufacturer
		Guaranteed
3540	Camel Brand Superphosphate 45%	Manufacturer
		Guaranteed
3541	Camel Brand Potato and Tobacco Mixture	Manufacturer
		Guaranteed
	Darling and Co., Chicago, Ill.	
3814	Darling's Farmers Favorite	Thompson's Mill, Madisonville
4092		Smullen and Sons, Corydon
		Guaranteed
3815	Darling's Tobacco Grower	Thompson's Mill, Madisonville
		Guaranteed
3053	Darling's Big Harvest	Manufacturer
		Guaranteed
3054	Darling's Crop King	Manufacturer
		Guaranteed
3055	Darling's Tobacco Special	Manufacturer
		Guaranteed
3056	Darling's Bumper Crop	Manufacturer
		Guaranteed
3057	Darling's General Crop	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		10.85				9.80		28.0	3812
		10.00				*10.00*		*27.0*	
		11.95				4.53		23.3	3113
		10.00				*4.00*		*19.8*	
		16.80						20.2	3114
		14.00						*16.8*	
		46.05						55.3	3115
		40.00						*48.0*	
		23.50						28.2	3813
		24.00						*28.8*	
		23.10						27.7	3117
		20.00						*24.0*	
		18.80						22.6	3118
		16.00						*19.2*	
	3.13		24.10	50	50			36.6	3120
	2.47		*24.00*					*33.9*	
		45.85						55.0	3540
		45.00						*54.0*	
3.82	3.82	9.80				6.82		38.2	3541
	3.00	*8.00*				*6.00*		*31.2*	
3.17	3.17	9.50				6.16		34.3	3814
2.92	2.92	9.10				5.82		32.3	4092
	3.00	*8.00*				*6.00*		*31.2*	
2.08	2.08	12.55				2.66		30.3	3815
	2.00	*12.00*				*2.00*		*28.4*	
2.20	2.20	12.05				2.62		30.2	3053
	2.00	*12.00*				*2.00*		*28.4*	
2.38	2.38	12.15				6.27		35.3	3054
	2.00	*12.00*				*6.00*		*33.2*	
2.35	2.35	12.10				0.88	5.48	36.8	3055
	2.00	*12.00*					*6.00*	*35.0*	
2.18	2.18	16.10				2.54		35.9	3056
	2.00	*16.00*				*2.00*		*34.4*	
2.21	2.21	16.00				6.19		40.3	3057
	2.00	*16.00*				*6.00*		*39.2*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Darling and Co.,	**Chicago, Ill.—Cont.**
3058	Darling's All Crop	Manufacturer
		Guaranteed
3059	Darling's Ten-Ten	Manufacturer
		Guaranteed
4093	Darling's 16% Superphosphate	J. O. Husenbaugh and Son, Dawson Springs
		Guaranteed
3061	Darling's 20% Superphosphate	Manufacturer
		Guaranteed
3062	Darling's Pure Ground Bone	Manufacturer
		Guaranteed
	Duncan and Sherley, La Grange,	**Ky.**
3481	Tiger Brand Pure Bone Meal	*
		Guaranteed
3695	Tiger Brand Potato and Tobacco Grower	*
		Guaranteed
3696	Tiger Brand A-1 Tobacco Grower	*
		Guaranteed
3697	Tiger Brand Corn and Wheat Grower	*
		Guaranteed
3698	Tiger Brand Phosphate and Tankage	*
		Guaranteed
3699	Tiger Brand Half and Half Grain Grower	*
		Guaranteed
4265	Tiger Brand Raw Bone and Bone Meal Mixture	*
		Guaranteed
	The Empire Guano Co.,	**Nashville, Tenn.**
3031	Red Banner 2-12-2	Manufacturer
		Guaranteed
3032	Red Banner 3-10-3	Manufacturer
		Guaranteed
3033	Red Banner 2-10-2	Manufacturer
		Guaranteed
3034	Kentucky Tobacco and Truck Grower	Manufacturer
		Guaranteed
3035	Superior Tobacco Grower	Manufacturer
		Guaranteed
3036	High Grade Potash Mixture	Manufacturer
		Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
3.91	4.11	16.35				4.60		46.5	3058
	4.00	*16.00*				*4.00*		*44.8*	
		11.15				9.64		28.3	3059
		10.00				*10.00*		*27.0*	
		17.00						20.4	4093
		16.00						*19.2*	
		20.85						25.0	3061
		20.00						*24.0*	
	2.43		28.00	71	29			37.7	3062
	1.85		*28.00*					*35.4*	
									3481
	2.47		*27.00*					*36.9*	
									3695
	4.00	*10.00*						*31.0*	
									3696
	3.00	*8.00*				*6.00*		*31.2*	
									3697
	2.00	*10.00*				*2.00*		*25.4*	
									3698
	2.00	*12.00*						*26.0*	
									3699
	2.00	*9.00*				*3.00*		*25.1*	
									4265
	3.30		*22.50*					*35.7*	
1.81	2.29	14.45				2.62		34.0	3031
	2.00	*12.00*				*2.00*		*28.4*	
3.27	3.50	12.95				4.11		38.4	3032
	3.00	*10.00*				*3.00*		*30.6*	
1.53	2.01	13.95				2.50		32.0	3033
	2.00	*10.00*				*2.00*		*25.4*	
2.60	2.99	11.10					6.97	39.1	3034
	3.00	*8.00*					*6.00*	*33.0*	
2.02	2.64	10.40					10.51	41.9	3035
	2.00	*8.00*					*8.00*	*32.0*	
		10.80				7.24		*24.9*	3036
		10.00				*4.00*		*19.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The Empire Guano Co.,	**Nashville, Tenn.—Cont.**
3037	Red Banner 16% Superphosphate	Manufacturer
		Guaranteed
3038	Red Banner 18% Superphosphate	Manufacturer
		Guaranteed
3039	Red Banner 20% Superphosphate	Manufacturer
		Guaranteed
3040	Red Banner 4-16-4	Manufacturer
		Guaranteed
3041	Raw Bone Meal	Manufacturer
		Guaranteed
	Farmers Supply Co., Inc.,	**Lexington, Ky.**
4094	Farmo Tobacco Grower	Manufacturer's warehouse
		Guaranteed
3701	Farmo Tobacco and Potato Grower	Manufacturer
		Guaranteed
4095	Farmo Burley Grower	Manufacturer's warehouse
		Guaranteed
4096	Farmo Tobacco Special	Manufacturer's warehouse
		Guaranteed
4097	Farmo 9-18-18 Fertilizer	Manufacturer's warehouse
		Guaranteed
4098	Farmo 6-8-6 Fertilizer	Manufacturer's warehouse
		Guaranteed
4023	Farmo 6-8-6	Manufacturer
		Guaranteed
	Federal Chemical Co., Inc.,	**Louisville, Ky.**
4100	Standard Corn and Wheat Grower	Guthrie and Staton, Albany
4101		London Hardware Co., London
4295		Lander Hardware Co., Elizabethtown
		Guaranteed
4102	Beef, Blood and Bone	Grayson County Supply Co., Leitchfield
4103		Lonnie Jackson, Caneyville
4382		Grayson County Supply Co., Leitchfield
		Guaranteed
3816	Loam Land Fertilizer	T. Z. Leachman, Greensburg
4104		C. L. Tanner, Florence
4296		Chas. Lamkin, Hodgenville
		Guaranteed
3817	Standard Crop and Tobacco Grower	P. L. Harper, Horse Cave
4105		Stagg Bros., Vanceburg
4106		D. L. D. Sanderfer, Beaver Dam
4107		Chappell Grocery Co., Pineville
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		21.40						25.7	3037
		16.00						*19.2*	
		21.70						25.0	3038
		18.00						*21.6*	
		25.70						30.8	3039
		20.00						*24.0*	
5.47	5.70	18.55				6.13		58.0	3040
	4.00	*16.00*				*4.00*		*44.8*	
	4 17		21.75	63	37			38.4	3041
	3.70		*20.00*					*34.8*	
3.41	3.41	7.95				6.13		32.9	4094
	3.00	*8.00*				*6.00*		*31.2*	
2.52	2.52	8.10					6.01	31.3	3701
	3.00	*8.00*					*6.00*	*33.0*	
4.02	4.24	9.70				0.64	3.61	37.7	4095
	4.00	*8.00*					*4.00*	*34.0*	
11.21	11.42	16.45				1.04	12.87	90.9	4096
	12.00	*16.00*					*12.00*	*86.4*	
8.75	9.00	18.95				18.44		86.6	4097
	9.00	*18.00*				*18.00*		*84.6*	
6.02	6.02	8.00				0.96	4.60	44.1	4098
	6.00	*8.00*				*6.00*		*43.2*	
5.61	5.61	8.20					8.07	46.9	4023
	6.00	*8.00*					*6.00*	*45.0*	
1.29	1.81	11.25				1.88		26.4	4100
1.51	2.10	9.75				2.04		25.5	4101
1.61	2.07	11.30				2.21		27.9	4295
	2.00	*10.00*				*2.00*		*25.4*	
1.58	2.08	9.70				2.27		25.6	4102
1.74	2.25	10.15				2.44		27.2	4103
1.53	2.34	9.30				2.03		25.8	4382
	2.00	*10.00*				*2.00*		*25.4*	
1.49	2.09	12.05				2.70		29.7	3816
1.81	2.32	12.40				2.10		30.4	4104
1.45	2.07	12.05				2.85		29.8	4296
	2.00	*12.00*				*2.00*		*28.4*	
1.62	2.11	8.30				4.33		26.1	3817
1.65	2.10	8.25				4.00		25.6	4105
1.46	1.95	8.60				4.17		25.7	4106
1.81	2.25	9.20				3.55		27.1	4107
	2.00	*8.00*				*4.00*		*24.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Federal Chemical Co., Inc.,	**Louisville, Ky.—Cont.**
3602	Old Reliable	Manufacturer
		Guaranteed
3603	Official Formula 2-14-4	Manufacturer
		Guaranteed
3604	High Grade Fertilizer	Manufacturer
		Guaranteed
3818	Special Tobacco Grower	T. Z. Leachman, Greensburg
4108		A. B. Beale and Son, Murray
		Guaranteed
3606	Best Burley Tobacco Grower	Manufacturer
		Guaranteed
4109	Official Formula 2-12-6	J. T. Albright, Brodhead
4110		W. A. Robinson, Bremen
		Guaranteed
3608	Double Formula, 2-16-8	Manufacturer
		Guaranteed
3819	Tobacco and Potato Fertilizer	Guenther Hardware Co., Owensboro
		Guaranteed
3610	Official Formula 2-8-16	Manufacturer
		Guaranteed
3820	Plant Bed Special	Joe T. Chenault, Sonora
3821		Lander Hardware Co., Elizabethtown
3822		Lake Bros., Springfield
3823		S. W. Banta, N. Pleasureville
		Guaranteed
3612	Special Plant Bed Mixture	Manufacturer
		Guaranteed
3824	†Special Tobacco and Potato Grower	Hansford and Bobbitt, Somerset
3826		T. E. Furrie, West Point
4111		J. T. Albright, Brodhead
		Guaranteed
4112	Kentucky Tobacco and Potato Grower	T. C. Martin, Beaver Dam
		Guaranteed
3615	Official Formula 3-21-6	Manufacturer
		Guaranteed
3616	3-8-10 Fertilizer	Manufacturer
		Guaranteed
3827	†High Grade Truck and Tobacco	Planters Hardware Co., Hopkinsville
4115		Baumstark and Bush, Moberly
4347		L. F. Thurmond, Murray
		Guaranteed
3618	Special High Grade Truck and Tobacco	Manufacturer
		Guaranteed
3619	Champion Fertilizer	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.52	2.52	12.50				4.69		34.5	3602
	2.00	*10.00*				*4.00*		*27.8*	
2.93	2.93	15.80				5.86		42.5	3603
	2.00	*14.00*				*4.00*		*33.8*	
2.76	2.76	15.75				5.75		41.6	3604
	2.00	*14.00*				*4.00*		*33.8*	
1.70	2.01	8.85				6.26		28.8	3818
1.44	2.03	8.60				6.23		28.5	4108
	2.00	*8.00*				*6.00*		*27.2*	
2.49	2.49	10.40					7.10	36.0	3606
	2.00	*8.00*					*6.00*	*29.0*	
1.79	2.24	11.75				5.61		33.3	4109
1.55	1.91	12.30				7.30		34.9	4110
	2.00	*12.00*				*6.00*		*33.2*	
2.34	2.34	16.05				10.30		45.8	3608
	2.00	*16.00*				*8.00*		*41.6*	
1.46	2.05	8.85				9.36		32.7	3819
	2.00	*8.00*				*10.00*		*32.0*	
2.48	2.48	9.80				17.76		45.9	3610
	2.00	*8.00*				*16.00*		*39.2*	
2.69	3.11	9.70				3.26		30.9	3820
2.97	3.56	10.80				2.70		33.7	3821
2.40	2.93	9.60				3.63		30.5	3822
2.67	3.12	10.60				3.81		33.0	3823
	3.00	*10.00*				*3.00*		*30.6*	
3.33	3.33	11.60					4.55	37.6	3612
	3.00	*10.00*					*3.00*	*31.5*	
2.10	2.70	8.65				5.96		30.9	3824
2.86	3.54	8.45				6.04		34.1	3826
2.56	3.33	9.15				5.96		34.2	4111
	3.00	*8.00*				*6.00*		*31.2*	
2.41	2.81	8.70				0.80	5.93	34.2	4112
	3.00	*8.00*					*6.00*	*33.0*	
3.53	3.53	23.50				9.42		60.8	3615
	3.00	*21.00*				*6.00*		*50.7*	
3.31	3.31	10.25				11.67		42.6	3616
	3.00	*8.00*				*10.00*		*36.0*	
2.57	3.40	9.35				4.40		32.9	3827
3.65	4.79	8.15				3.57		35.7	4115
2.86	3.71	9.95				4.04		34.6	4347
	4.00	*8.00*				*4.00*		*32.8*	
4.53	4.53	9.70				1.28	10.48	49.9	3618
	4.00	*8.00*					*4.00*	*34.0*	
4.84	4.84	12.05				5.88		44 5	3619
	4.00	*10.00*				*4.00*		*35.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Federal Chemical Co., Inc.,	**Louisville, Ky.—Cont.**
3620	Tip Top Potato Grower	Manufacturer
		Guaranteed
3621	Double Duty	Manufacturer
		Guaranteed
4117	A-1 Extra Tobacco Special	Thompson Fertilizer Co., Mt. Sterling
		Guaranteed
4118	Official Tobacco Formula	McLoney and Tucker, Cynthiana
		Guaranteed
4119	Official Formula 6-8-6	Gentry McCauley, Versailles
4120		B. D. Jordan and Son, Flemingsburg
		Guaranteed
3626	Official Formula 0-12-6	Manufacturer
		Guaranteed
3627	Phosphate and Potash	Manufacturer
		Guaranteed
3828	Potash Mixture	S. W. Stanton, Russell Springs
4121		Guthrie and Staton, Albany
		Guaranteed
3629	Potato Fertilizer	Manufacturer
		Guaranteed
4122	32% Superphosphate	Sandy Valley Grocery Co., Paintsville
		Guaranteed
4123	20% Superphosphate	J. T. Albright, Brodhead
		Guaranteed
3632	Pure Bone	Manufacturer
		Guaranteed
4142	Raw Bone	Guthrie and Staton, Albany
		Guaranteed
3830	Nitrate of Soda	Planters Hardware Co., Hopkinsville
3831		Big Four Co., Franklin
		Guaranteed
3635	Sulphate of Ammonia	Manufacturer
		Guaranteed
3832	Kalko-Phos 16%	Barren County Grocery and Hardware Co., Glasgow
3833		J. H. Jasper, W. Somerset
4348		Miss Agnes Davis, Russellville
		Guaranteed
4125	Kalko-Phos 20%	Grayson County Supply Co., Leitchfield
		Guaranteed
4124	Fosfo-Nite 16% A Tankage and Tobacco Base Fertilizer	Grayson County Supply Co., Leitchfield
		Guaranteed
3834	Lime Bone Phosphate	The Big Four Co., Franklin
4349		The Big Four Co., Franklin
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
4.90	4.90	11.75					5.47	45.4	3620
	4.00	*10.00*					*4.00*	*37.0*	
4.21	4.21	15.10				5.17		45.7	3621
	4.00	*12.00*				*4.00*		*38.8*	
3.46	4.33	9.75						32.0	4117
	4.00	*10.00*						*31.0*	
4.39	5.68	7.35				3.97		38.5	4118
	6.00	*8.00*				*3.00*		*39.6*	
5.08	5.86	8.40				6.79		44.2	4119
4.92	6.00	8.35				6.31		44.1	4120
	6.00	*8.00*				*6.00*		*43.2*	
		14.35				7.48		30.5	3626
		12.00				*6.00*		*25.2*	
		14.90				5.07		28.4	3627
		12.00				*4.00*		*22.8*	
		9.50				3.82		18.8	3828
		11.45				3.55		21.4	4121
		10.00				*4.00*		*19.8*	
5.42	5.42	11.75				6.82		47.5	3629
	5.00	*10.00*				*5.00*		*41.0*	
		31.90						38.3	4122
		32.00						*38.4*	
		20.15						24.2	4123
		20.00						*24.0*	
	1.35		30.55	85	15			36.0	3632
	1.00		*30.00*					*34.0*	
	3.96		23.50	52	48			39.3	4142
	3.30		*20.00*					*33.2*	
	16.16							64.6	3830
	16.12							64.5	3831
	15.00							*60.0*	
	20.52							82.1	3635
	20.00							*80.0*	
		15.55						18.7	3832
		15.80						19.0	3833
		16.45						19.7	4348
		16.00						*19.2*	
		20.05						24.1	4125
		20.00						*24.0*	
		16.30						19.6	4124
		16.00						*19.2*	
		16.20						19.4	3834
		16.00						19.2	4349
		16.00						*19.2*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Federal Chemical Co., Inc., Louisville, Ky.—Cont.	
3640	16%	Manufacturer
		Guaranteed
3835	18% Superphosphate	P. L. Harper, Horse Cave
		Guaranteed
4126	4-16-4 Fertilizer	Edw. C. Hawkins, Paducah
4350		Edw. C. Hawkins, Paducah
		Guaranteed
3641	1st Prize Blue Ribbon Fertilizer	Manufacturer
		Guaranteed
3642	1st Prize Premium Formula	Manufacturer
		Guaranteed
4127	1st Prize 16% Superphosphate	M. O. Eskew, Marion
		Guaranteed
4128	Daybreak Tobacco Grower	W. A. Robinson, Bremen
		Guaranteed
3645	Daybreak Special Manure	Manufacturer
		Guaranteed
3646	Daybreak Favorite Formula	Manufacturer
		Guaranteed
4129	Daybreak 16% Superphosphate	London Hardware Co., London
4130		R. B. Shaver, Greenville
4297		Lander Hardware Co., Elizabethtown
		Guaranteed
	Fox Chemical Co., Br. Federal Chem. Co., Louisville, Ky.	
3836	Fox Corn and Wheat Manure	Clem Keltner, Campbellsville
3837		T. Z. Leachman, Greensburg
3838		Hansford and Bobbitt, Somerset
4383		T. C. Martin, Beaver Dam
		Guaranteed
3839	Fox Tobacco Grower	S. W. Stanton, Russell Springs
3840		Fox Hardware Co., Madisonville
		Guaranteed
4131	Fox Early Harvest	T. C. Martin, Beaver Dam
		Guaranteed
3841	Fox Ideal Formula	Clem Keltner, Campbellsville
4298		Clem Keltner, Campbellsville
		Guaranteed
3842	Fox 16% Superphosphate	T. Z. Leachman, Greensburg
3843		Hansford and Bobbitt, Somerset
3844		Fox Hardware Co., Madisonville
4299		Clem Keltner, Campbellsville
4384		T. C. Martin, Beaver Dam
		Guaranteed
3653	Fox Ferti-Nite 16%	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		18.10						21.7	3640
		16.00						*19.2*	
		18.00						21.6	3835
		18.00						*21.6*	
3.07	3.85	16.80				3.76		45.1	4126
3.88	4.28	15.90				4.64		46.5	4350
	4.00	*16.00*				*4.00*		*44.8*	
2.58	2.58	10.60				4.57		31.7	3641
	2.00	*8.00*				*4.00*		*24.8*	
2.52	2.52	12.50				4.69		34.5	3642
	2.00	*10.00*				*4.00*		*27.8*	
		16.20						19.4	4127
		16.00						*19.2*	
1.58	1.96	9.90				2.16	0.63	26.2	4128
	2.00	*10.00*				*2.00*		*25.4*	
2.58	2.58	10.60				4.57		31.7	3645
	2.00	*8.00*				*4.00*		*24.8*	
2.52	2.52	12.50				4.69		34.5	3646
	2.00	*10.00*				*4.00*		*27.8*	
		16.30						19.6	4129
		16.05						19.3	4130
		16.25						19.5	4297
		16.00						*19.2*	
1.64	2.18	10.00				2.06		26.2	3836
1.72	2.25	10.50				2.06		27.2	3837
1.87	2.39	10.00				2.46		27.5	3838
1.61	2.23	11.75				2.12		29.1	4383
	2.00	*10.00*				*2.00*		*25.4*	
1.81	2.16	10.25				2.19		26.7	3839
1.88	2.46	9.35				6.12		31.2	3840
	2.00	*10.00*				*2.00*		*25.4*	
2.87	3.26	9.60				4.00	1.57	34.6	4131
	2.00	*8.00*				*4.00*		*24.8*	
1.81	2.17	10.20				4.19		29.0	3841
1.70	2.17	10.75				3.69		29.2	4298
	2.00	*10.00*				*4.00*		*27.8*	
		16.40						19.7	3842
		16.20						19.4	3843
		16.20						19.4	3844
		16.40						19.7	4299
		15.75						18.9	4384
		16.00						*19.2*	
		17.95						21.5	3653
		16.00						*19.2*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Floyd Plant Food Co., Inc.,	**St. Louis, Mo.**
4132	Floyd Money-Maker 16%	Ed. C. Hawkins, Paducah
		Guaranteed
3669	Floyd Money-Maker 20%	Manufacturer
		Guaranteed
3670	Floyd Money-Maker 0-10-4	Manufacturer
		Guaranteed
3671	Floyd Money-Maker 2-10-2	Manufacturer
		Guaranteed
3672	Floyd Money-Maker 2-8-4	Manufacturer
		Guaranteed
3673	Floyd Money-Maker 3-8-6	Manufacturer
		Guaranteed
3710	Garden-Grow A. Plantfood for Gardens, Lawns and Flowers	Manufacturer
		Guaranteed
4017	Floyd MoneyMaker 2-8-6	Manufacturer
		Guaranteed
	Globe Fertilizer Co., Br. Federal	**Chem. Co., Louisville, Ky.**
4133	†Eagle Corn and Wheat Grower	J. T. Albright, Brodhead
		Guaranteed
4135	Big Four Tobacco Grower	Franklin Dudley, Flemingsburg
4136		J. H. Bell, Philpot
		Guaranteed
3845	Universal Crop and Tobacco Grower	I. K. Miller and Son, Campbellsville
3846		The Big Four Co., Franklin
		Guaranteed
4351	Progress Fertilizer	L. F. Thurmond, Murray
		Guaranteed
3658	Braden Formula	Manufacturer
		Guaranteed
3847	Ky. Standard Tobacco Grower	I. K. Miller and Son, Campbellsville
4137		Morgan and Heath, Benton
4138		Virgil Jackson, Utica
4139		Williamsburg Hardware Co., Williamsburg
		Guaranteed
3660	Globe Special Tobacco Grower	Manufacturer
		Guaranteed
3848	Globe 16% Superphosphate	L. M. Hunt and Co., Bowling Green
3849		Scottsville Feed Co., Scottsville
3850		Lessenberry and Jones, Glasgow
4140		Baumstark and Bush, Moberly
4141		Guthrie and Staton, Albany
4352		A. Bresler, Son and Co., Owensboro
4353		Chas. Lampkin, Hodgenville
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		16.05						19.3	4132
		16.00						*19.2*	
		22.75						27.3	3669
		20.00						*24.0*	
		12.35				5.03		24.6	3670
		10.00				*4.00*		*19.8*	
2.66	2.66	12.15				3.18		32.7	3671
	2.00	*10.00*				*2.00*		*25.4*	
2.60	2.60	10.65				5.19		31.7	3672
	2.00	*8.00*				*4.00*		*24.8*	
3.56	3.56	10.20				7.54		38.6	3673
	3.00	*8.00*				*6.00*		*31.2*	
5.93	5.93	11.95				6.40		49.3	3710
	5.00	*10.00*				*5.00*		*41.0*	
2.78	2.78	10.45				7.45		35.7	4017
	2.00	*8.00*				*6.00*		*27.2*	
1.66	2.07	10.80				2.24	0.65	28.2	4133
	2.00	*10.00*				*2.00*		*25.4*	
1.78	2.25	10.10				2.24	0.73	27.9	4135
1.39	1.97	10.45				2.16	0.63	27.1	4136
	2.00	*10.00*				*2.00*		*25.4*	
1.67	2.02	8.20				3.82		25.0	3845
1.32	1.93	9.95				4.04		27.5	3846
	2.00	*8.00*				*4.00*		*24.8*	
1.46	1.97	10.75				4.12		29.0	4351
	2.00	*8.00*				*4.00*		*24.8*	
2.52	2.52	12.50				4.69		34.5	3658
	2.00	*10.00*				*4.00*		*27.8*	
1.60	2.03	8.00				5.40		26.6	3847
1.21	1.76	8.70				7.70		29.3	4137
1.40	1.93	8.40				6.49		28.1	4138
1.65	2.37	8.95				5.25		29.2	4139
	2.00	*8.00*				*6.00*		*27.2*	
2.26	2.26	10.10				12.93		39.7	3660
	2.00	*8.00*					*10.00*	*35.0*	
		16.05						19.3	3848
		16.05						19.3	3849
		16.50						19.8	3850
		16.30						19.6	4140
		15.90						19.1	4141
		16.05						19.3	4352
		16.05						19.3	4353
		16.00						*19.2*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Globe Fertilizer Co., Br. Federal Chem. Co., Louisville, Ky.—Cont.	
3662	Globe Tobac-O-Nite 16%	Manufacturer
		Guaranteed
	Hall Seed Co., Louisville, Ky.	
4354	Halco 16% Superphosphate	Manufacturer's warehouse
		Guaranteed
3271	Halco 20% Superphosphate	Manufacturer
		Guaranteed
3272	Halco Burley Tobacco Grower	Manufacturer
		Guaranteed
4355	Halco High Grade Vegetable Grower	Manufacturer's warehouse
		Guaranteed
3274	Halco Vegetable Grower	Manufacturer
		Guaranteed
4356	Halco Potato and Tobacco Grower	Manufacturer's warehouse
		Guaranteed
4357	Halco Corn and Wheat Grower	Manufacturer's warehouse
		Guaranteed
3277	Halco Bone Meal	Manufacturer
		Guaranteed
3278	Halco Raw Bone	Manufacturer
		Guaranteed
3279	Halco 4-16-4 Fertilizer	Manufacturer
		Guaranteed
3280	Halco 4-10-4 Fertilizer	Manufacturer
		Guaranteed
	Hopkins Fertilizer Co., New Albany, Ind.	
3851	Hopkins Old Time Plant Special	Buechel Produce Exchange, Buechel
4143		Adams and Moore, Cynthiana
		Guaranteed
3852	Hopkins Old Time Truck and Potato Grower	Buechel Produce Exchange, Buechel
4144		Mat Cornelison and Son, Bybee
4300		Buechel Produce Exchange, Buechel
		Guaranteed
3853	Hopkins Old Time Tobacco Plant Special	R. H. Myers, Russell Springs
4145		Adams and Moore, Cynthiana
		Guaranteed
3854	Hopkins Old Time Potato Grower	Buechel Produce Exchange, Buechel
3855		R. H. Myers, Russell Springs
3856		Shepherdsville Roller Mills, Shepherdsville
4301		Buechel Produce Exchange, Buechel
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		18.10						21.7	3662
		16.00						*19.2*	
		16.15						19.4	4354
		16.00						*19.2*	
		21.45						25.7	3271
		20.00						*24.0*	
2.42	3.11	8.55					6.71	35.3	3272
	3.00	*8.00*					*6.00*	*33.0*	
2.33	3.01	8.00					6.17	33.3	4355
	3.00	*8.00*					*6.00*	*33.0*	
4.11	4.44	11.10						34.4	3274
	4.00	*10.00*						*31.0*	
1.81	1.81	8.75				4.09		25.3	4356
	2.00	*8.00*				*4.00*		*24.8*	
2.01	2.01	10.05				2.33		25.9	4357
	2.00	*10.00*				*2.00*		*25.4*	
	2.69		26.90	100				37.7	3277
	2.00		*24.00*					*32.0*	
	3.72		24.10	87	13			39.0	3278
	3.70	-	*22.00*					*36.8*	
4.49	4.49	17.30				4.99		49.9	3279
	4.00	*16.00*				*4.00*		*44.8*	
4.51	4.51	11.60				4.60		41.0	3280
	4.00	*10.00*				*4.00*		*35.8*	
4.59	6.15	9.15				6.31		45.9	3851
4.81	5.99	9.65				6.98		46.8	4143
	6.00	*8.00*				*6.00*		*43.2*	
3.11	4.33	10.50				4.40		38.4	3852
3.23	4.45	10.35				4.40	0.70	39.7	4144
1.68	4.10	10.50				5.10		38.3	4300
	4.00	*10.00*				*4.00*		*35.8*	
3.17	4.04	9.00				4.52		35.1	3853
2.42	4.06	8.75				4.00	0.89	35.5	4145
	4.00	*8.00*				*4.00*		*32.8*	
2.07	3.37	7.65				6.85		33.2	3854
2.82	3.52	7.85				7.29		34.6	3855
1.93	2.98	8.55				7.41		33.6	3856
0.84	3.33	9.05				7.97		36.5	4301
	3.00	*7.00*				*7.00*		*30.9*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Hopkins Fertilizer Co.,	**New Albany, Ind.—Cont.**
3857	Hopkins Old Time Burley Grower	Conner-Hayden Co., Bardstown
4146		G. C. McPhetridge, London
4147		J. E. Lewis, Berea
4148		Trimble Milling Co., Milton
		Guaranteed
3575	Hopkins Old Time Two-Twelve-Six	Manufacturer
		Guaranteed
4149	Hopkins Old Time Superior	Len Webb, Hawesville
		Guaranteed
3858	Hopkins Old Time Royal Grain Grower	Shepherdsville Roller Mills, Shepherdsville
3859		R. H. Myers, Russell Springs
3860		Conner-Hayden Co., Bardstown
4150		Trimble Milling Co., Milton
4302		Buechel Produce Exchange, Buechel
		Guaranteed
4151	Hopkins Old Time Potash Manure	Mat Cornelison and Son, Bybee
4152		Calvin Richards, Fordsville
		Guaranteed
3861	Hopkins Old Time Pure Raw Bone	J. H. Jasper, W. Somerset
4358		Hall Seed Co., Louisville
		Guaranteed
4153	Hopkins Old Time 20% Superphosphate	J. E. Lewis, Berea
		Guaranteed
3863	Hopkins Old Time Climax Superphosphate	Shepherdsville Roller Mills, Shepherdsville
3864		R. H. Myers, Russell Springs
4154		G. C. McPhetridge, London
		Guaranteed
	International Agricultural Corp.,	**Inc., Cincinnati, O.**
4385	International Multiple Strength 4-24-4	Homer Thompson, Milton
		Guaranteed
3122	International Multiple Strength 0-20-20	*
		Guaranteed
4155	International Truck and Potato Special	J. T. Lawson Hardware Co., Greenup
		Guaranteed
3124	International Premium Grain Grower	*
		Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.09	3.12	9.05				6.38		33.7	3857
2.04	3.07	9.15				6.42		33.7	4146
2.66	3.06	9.15				6.40		33.7	4147
2.08	2.99	9.25				6.65		33.8	4148
	3.00	*8.00*				*6.00*		*31.2*	
1.67	2.23	13.05				6.13		35.9	3575
	2.00	*12.00*				*6.00*		*33.2*	
1.14	2.23	10.05				4.68		29.6	4149
	2.00	*10.00*				*4.00*		*27.8*	
1.48	2.07	11.60				3.41		29.8	3858
1.49	2.28	10.70				3.28		29.1	3859
1.38	2.21	11.05				3.16		29.2	3860
1.51	2.25	10.40				3.47		29.7	4150
1.07	2.02	10.90				3.41		28.5	4302
	2.00	*10.00*				*3.00*		*26.6*	
		10.65				5.39		22.5	4151
		10.85				5.60		23.0	4152
		10.00				*5.00*		*21.0*	
	4.03		23.60	47	53			39.7	3861
	4.06		23.50	40	60			39.7	4358
	3.50		*21.50*					*35.5*	
		21.10						25.3	4153
		20.00						*24.0*	
		16.95						20.3	3863
		17.00						20.4	3864
		17.10						20.5	4154
		16.00						*19.2*	
3.78	3.99	26.20				4.22		60.3	4385
	4.00	*24.00*				*4.00*		*56.8*	
									3122
		20.00				*20.00*		*54.0*	
2.00	2.21	9.10				9.51		33.9	4155
	2.00	*8.00*				*10.00*		*32.0*	
									3124
	2.00	*16.00*				*2.00*		*34.4*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	International Agricultural Corp., Inc., Cincinnati, O.—Cont.	
3125	International Extra High Grade	*
		Guaranteed
3126	International Preferred Quality Tobacco Fertilizer	*
		Guaranteed
4156	International Approved Tobacco Grower (Sul. Pot.)	J. H. Menifee, Berea
		Guaranteed
3865	International Tobacco and Potato Grower (Sul. Pot.)	F. C. Chilson, Columbia
4157		Homer Thompson, Milton
		Guaranteed
4158	International High Grade Tobacco Special (Sul. Pot.)	Homer Thompson, Milton
4159		J. H. Menifee, Berea
		Guaranteed
3866	International Crop Grower	Hatter Hardware Co., Franklin
3867		Eubank Hardware Co., Eubank
4160		Richardson Grocery and Produce Co., Mt. Sterling
		Guaranteed
3868	International Grain Grower	J. H. Jasper, W. Somerset
4161		J. H. Menifee, Berea
4162		Homer Thompson, Milton
4386		Homer Thompson, Milton
		Guaranteed
3133	International Plant Bed Special	*
		Guaranteed
3869	International Ten Five	J. H. Jasper, W. Somerset
		Guaranteed
3135	International 40% Multiple Superphosphate	*
		Guaranteed
3870	International 20% Superphosphate	Woodson Lewis and Son, Greensburg
4163		J. H. Menifee, Berea
4387		Homer Thompson, Milton
		Guaranteed
3871	International 16% Superphosphate	Eubank Hardware Co., Eubank
4164		Alva West and Co., Maysville
4303		W. D. Dickinson, Glasgow
4388		Homer Thompson, Milton
		Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
	2.00	*12.00*				*6.00*		*33.2*	3125
	4.00	*10.00*					*6.00*	*40.0*	3126
5.50	5.97	8.40				6.21		43.9	4156
	6.00	*8.00*					*6.00*	*45.0*	
2.65	2.95	8.15					5.58	32.4	3865
2.32	2.58	9.85				4.56	1.07	32.2	4157
	3.00	*8.00*					*6.00*	*33.0*	
1.81	2.07	10.50					4.21	30.4	4158
1.75	1.99	10.70					4.31	30.5	4159
	2.00	*10.00*					*4.00*	*29.0*	
1.86	2.10	11.95				2.70		29.6	3866
1.97	1.97	12.30				2.23		29.0	3867
2.08	2.08	12.45				2.31		29.8	4160
	2.00	*12.00*				*2.00*		*28.4*	
1.96	1.96	10.10				3.27		26.9	3868
1.98	1.98	10.05				3.64		27.4	4161
1.55	1.55	9.75				3.82		25.4	4162
1.99	1.99	10.50				3.08		27.4	4386
	2.00	*10.00*				*3.00*		*26.6*	
	4.00	*10.00*						*31.0*	3133
		9.75				4.84		20.4	3869
		10.00				*5.00*		*21.0*	
		40.00						*48.0*	3135
		19.90						23.9	3870
		19.70						23.6	4163
		21.10						25.3	4387
		20.00						*24.0*	
		16.90						20.3	3871
		16.70						20.0	4164
		16.35						19.6	4303
		17.15						20.6	4388
		16.00						*19.2*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	International Agricultural Corp., Inc., Cincinnati, O.—Cont.	
3872	International Limed 16% Superphosphate	Woodson Lewis and Son, Greensburg
3873		Hatter Hardware Co., Franklin
3874		W. D. Dickinson, Glasgow
4165		Richardson Grocery and Produce Co., Mt. Sterling
4360		Hatter Hardware Co., Franklin
		Guaranteed
3139	International Superphosphate and Tobacco (200 lb. Tobacco Stems)	*
		Guaranteed
3140	International Bone Meal	*
		Guaranteed
3141	International Standard Tobacco Grower (Sul. Potash)	*
		Guaranteed
3142	International Special Tobacco Fertilizer (Sul. Potash)	*
		Guaranteed
3875	International Phosphate Potash	F. C. Chilson, Columbia
		Guaranteed
3144	International Fertilis Lawn and Garden Fertilizer	*
		Guaranteed
3146	International Approved Tobacco Grower (Muriate Potash)	*
		Guaranteed
3877	International Tobacco and Potato Grower (Muriate Potash)	Woodson Lewis and Son, Greensburg
		Guaranteed
3148	International High Grade Tobacco Special (Muriate Potash)	*
		Guaranteed
3149	International Standard Tobacco Grower (Muriate Potash)	*
		Guaranteed
3150	International Special Tobacco Fertilizer (Muriate Potash)	*
		Guaranteed
3674	International Quality Producer Dark Tobacco Fertilizer	*
		Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		16.95						20.3	3872
		16.70						20.0	3873
		17.00						20.4	3874
		16.90						20.3	4165
		17.25						20.7	4360
		16.00						*19.2*	
		14.00						*16.8*	3139
	1.85		*29.00*					*36.4*	3140
	2.00	*8.00*					*5.00*	*27.5*	3141
	2.00	*8.00*					*8.00*	*32.0*	3142
		10.35				4.11		20.5	3875
		10.00				*4.00*		*19.8*	
	4.00	*12.00*				*4.00*		*38.8*	3144
	6.00	*8.00*				*6.00*		*43.2*	3146
2.74	2.96	8.20				6.44		31.9	3877
	3.00	*8.00*				*6.00*		*31.2*	
	2.00	*10.00*				*4.00*		*27.8*	3148
	2.00	*8.00*				*5.00*		*26.0*	3149
	2.00	*8.00*				*8.00*		*29.6*	3150
	4.00	*11.00*				*3.50*	*1.50*	*39.0*	3674

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	International Agricultural Corp.,	**Inc., Cincinnati, O.—Cont.**
3723	International Blue Grass Tobacco Fertilizer (Muriate)	*
		Guaranteed
3724	International Blue Grass Tobacco Fertilizer (Sulfate)	*
		Guaranteed
	Jarecki Chemical Co., (Armour owned)	**Louisville, Cincinnati, Nashville.**
4166	Jarecki 16% Superphosphate	Jellico Grocery Co., Barbourville
		Guaranteed
3191	Jarecki 20% Superphosphate	Manufacturer
		Guaranteed
3192	Jarecki 32% Superphosphate	Manufacturer
		Guaranteed
3193	Jarecki 2-10-2 Fertilizer	Manufacturer
		Guaranteed
3194	Jarecki 2-10-4 Fertilizer	Manufacturer
		Guaranteed
3195	Jarecki 2-12-2 Fertilizer	Manufacturer
		Guaranteed
3196	Jarecki 2-12-6 Fertilizer	Manufacturer
		Guaranteed
3197	Jarecki 2-16-8 Fertilizer	Manufacturer
		Guaranteed
3198	Jarecki 3-18-3 Fertilizer	Manufacturer
		Guaranteed
3199	Jarecki 4-12-4 Fertilizer	Manufacturer
		Guaranteed
3200	Jarecki 4-16-4 Fertilizer	Manufacturer
		Guaranteed
3201	Jarecki 2-8-5 Fertilizer	Manufacturer
		Guaranteed
3202	Jarecki 4-12-8 Fertilizer	Manufacturer
		Guaranteed
3203	Jarecki 3-8-6 Fertilizer	Manufacturer
		Guaranteed
3204	Jarecki 0-12-4	*
		Guaranteed
3205	Jarecki 0-16-8	Manufacturer
		Guaranteed
3206	Jarecki 2-8-4 Tobacco Grower	Manufacturer
		Guaranteed
3207	Jarecki Burley Tobacco Grower 3-8-6	Manufacturer
		Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
	2.00	*8.00*				*4.00*		*24.8*	3723
	2.00	*8.00*					*4.00*	*26.0*	3724
		16.25						19.5	4166
		16.00						*19.2*	
		22.30						26.8	3191
		20.00						*24.0*	
		32.85						39.4	3192
		32.00						*38.4*	
2.26	2.26	11.30				2.68		29.2	3193
	2.00	*10.00*				*2.00*		*25.4*	
2.10	2.10	11.05				4.62		30.5	3194
	2.00	*10.00*				*4.00*		*27.8*	
2.10	2.10	12.30				2.66		30.0	3195
	2.00	*12.00*				*2.00*		*28.4*	
2.14	2.14	12.35				6.52		34.9	3196
	2.00	*12.00*				*6.00*		*33.2*	
2.32	2.32	15.75				8.96		43.7	3197
	2.00	*16.00*				*8.00*		*41.6*	
3.30	3.50	19.40				3.90		47.8	3198
	3.00	*18.00*				*3.00*		*42.6*	
4.18	4.18	13.30				4.66		42.3	3199
	4.00	*12.00*				*4.00*		*38.8*	
4.57	4.57	16.65				5.27		49.6	3200
	4.00	*16.00*				*4.00*		*44.8*	
2.16	2.16	9.20				5.35		28.9	3201
	2.00	*8.00*				*5.00*		*26.0*	
3.19	4.10	12.25				0.96	7.89	47.8	3202
	4.00	*12.00*				*8.00*		*43.6*	
3.19	3.19	8.65				6.62		33.7	3203
	3.00	*8.00*				*6.00*		*31.2*	
		12.00				*4.00*		*22.8*	3204
		16.40				8.75		35.1	3205
		16.00				*8.00*		*33.6*	
1.61	2.12	8.75					4.21	27.9	3206
	2.00	*8.00*					*4.00*	*26.0*	
2.34	3.13	8.30				0.88	5.82	34.8	3207
	3.00	*8.00*					*6.00*	*33.0*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Jarecki Chemical Co., (Armour owned)	**Louisville, Cincinnati, Nashville—Cont.**
3208	Jarecki Plant Bed Special 4-8-3	Manufacturer
		Guaranteed
3209	Jarecki High Analysis Burley Tobacco Grower 4-12-8	Manufacturer
		Guaranteed
4167	Jarecki Potato Grower 3-8-6	Jellico Grocery Co., Barbourville
		Guaranteed
3211	Jarecki High Analysis Potato Grower 4-12-8	Manufacturer
		Guaranteed
3212	Jarecki Truck Grower 4-8-3	Manufacturer
		Guaranteed
3213	Jarecki Special Top Dressing 12-8-4	Manufacturer
		Guaranteed
3214	Jarecki Raw Bone 3.70-22-0	Manufacturer
		Guaranteed
3215	Jarecki Bone Meal 2.50-24-0	Manufacturer
		Guaranteed
3216	Jarecki Nitrate of Soda	Manufacturer
		Guaranteed
4168	Jarecki Special Mixture	Chenault and O'Rear, Mt. Sterling
		Guaranteed
	Joslin-Schmidt Corporation	**(Groves Fert. Works), Cincinnati, O.**
3878	Square Brand 2-12-2	G. M. Hedrick, Monticello
4304		J. H. Hedrick, Monticello
		Guaranteed
3546	Square Brand 2-12-6	*
		Guaranteed
3547	Square Brand 2-8-4	*
		Guaranteed
3548	Square Brand 2-10-3	*
		Guaranteed
3549	Square Brand 2-8-10	*
		Guaranteed
3550	Square Brand 2-16-2	*
		Guaranteed
4169	Square Brand 4-12-4	Geo. C. Goode, Covington
		Guaranteed
3552	Square Brand 10-6-4	*
		Guaranteed
3553	Square Brand 0-10-10	*
		Guaranteed
3554	Square Brand 0-20-20	*
		Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.94	3.86	8.15					3.26	32.6	3208
	4.00	*8.00*					*3.00*	*32.5*	
4.01	4.01	13.00				8.69		46.0	3209
	4.00	*12.00*					*8.00*	*46.0*	
2.86	2.86	8.25				6.26		31.3	4167
	3.00	*8.00*				*6.00*		*31.2*	
4.14	4.14	12.90				9.00		46.7	3211
	4.00	*12.00*				*8.00*		*43.6*	
4.15	4.15	8.80				3.67		34.2	3212
	4.00	*8.00*				*3.00*		*31.6*	
12.38	12.38	8.30					4.54	68.8	3213
	12.00	*8.00*					*4.00*	*66.0*	
	3.67		23.25	100				37.9	3214
	3.70		*22.00*					*36.8*	
	2.69		26.50	100				37.3	3215
	2.50		*24.00*					*34.0*	
	16.08							64.3	3216
	15.00							*60.0*	
2.51	3.25	10.30				1.36	8.65	43.1	4168
	3.00	*10.00*					*10.00*	*42.0*	
1.96	1.96	12.65				2.33		29.6	3878
1.86	1.86	13.00				2.06		29.4	4304
	2.00	*12.00*				*2.00*		*28.4*	
									3546
	2.00	*12.00*				*6.00*		*33.2*	
									3547
	2.00	*8.00*				*4.00*		*24.8*	
									3548
	2.00	*10.00*				*3.00*		*26.6*	
									3549
	2.00	*8.00*				*10.00*		*32.0*	
									3550
	2.00	*16.00*				*2.00*		*34.4*	
3.63	4.12	12.20				4.33		40.0	4169
	4.00	*12.00*				*4.00*		*38.8*	
									3552
	10.00	*6.00*				*4.00*		*53.8*	
									3553
		10.00				*10.00*		*27.0*	
									3554
		20.00				*20.00*		*54.0*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Joslin-Schmidt Corp. (Groves	**Fert. Works), Cincinnati, O.—Cont.**
3555	Square Brand 0-10-4	*
		Guaranteed
3556	Superphosphate and Tobacco (200 lb. Tobacco Stems)	*
		Guaranteed
3557	Limed 16% Superphosphate	*
		Guaranteed
3880	16% Superphosphate	G. M. Hedrick, Monticello
4170		L. F. Wellman, Louisa
		Guaranteed
4171	20% Superphosphate	Geo. C. Goode, Covington
		Guaranteed
3560	40% Superphosphate	*
		Guaranteed
3561	Steamed Bone Meal	*
		Guaranteed
3562	Raw Bone	*
		Guaranteed
3563	Plant Bed Fertilizer	*
		Guaranteed
3564	Complete Plant Bed Fertilizer	*
		Guaranteed
3565	Special Tobacco Fertilizer	*
		Guaranteed
3566	Square Brand 2-8-5	*
		Guaranteed
3567	Square Brand 2-8-8	*
		Guaranteed
3568	Square Brand 4-10-6	*
		Guaranteed
3569	Prosperity Plant Food	*
		Guaranteed
4172	Square Brand 3-8-6	L. F. Wellman, Louisa
4173		Hess and Rocke, Newport
		Guaranteed
	Kentucky Fertilizer Co., Br. Fed.	**Chem. Co., Inc., Louisville, Ky.**
3881	O-K Golden Leaf Tobacco Grower	P. L. Harper, Horse Cave
4174		Thompson Fertilizer Co., Mt. Sterling
		Guaranteed
3664	O-K Fertilizer	Manufacturer
		Guaranteed
3665	O-K High Grade Formula	Manufacturer
		Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
									3555
		10.00				*4.00*		*19.8*	
									3556
		14.00						*16.8*	
									3557
		16.00						*19.2*	
		17.10						20.5	3880
		16.95						20.3	4170
		16.00						*19.2*	
		20.10						24.1	4171
		20.00						24.0	
									3560
		40.00						*48.0*	
									3561
	2.00		*27.00*					*35.0*	
									3562
	4.00		*22.00*					*38.0*	
									3563
	4.00	*10.00*						*31.0*	
									3564
	4.00	*8.00*					*3.00*	*32.5*	
									3565
	3.00	*8.00*					*6.00*	*33.0*	
									3566
	2.00	*8.00*					*5.00*	*27.5*	
									3567
	2.00	*8.00*					*8.00*	*32.0*	
									3568
	4.00	*10.00*					*6.00*	*40.0*	
									3569
	5.00	*10.00*				*4.00*		*39.8*	
2.66	2.91	8.55				6.21		31.9	4172
2.61	2.85	9.30				6.00		32.6	4173
	3.00	*8.00*				*6.00*		*31.2*	
1.55	2.05	10.35				2.34		26.5	3881
1.86	2.49	11.10				1.44	0.58	29.2	4174
	2.00	*10.00*				*2.00*		*25.4*	
2.58	2.58	10.60				4.57		31.7	3664
	2.00	*8.00*				*4.00*		*24.8*	
2.52	2.52	12.50				4.69		34.5	3665
	2.00	*10.00*				*4.00*		*27.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Kentucky Fertilizer Co., Br. Fed. Chem. Co., Inc., Louisville, Ky.—Cont.	
3882	O-K 16% Superphosphate	Guenther Hardware Co., Owensboro
4175		C. L. Tanner, Florence
4176		Thompson Fertilizer Co., Mt. Sterling
		Guaranteed
3667	O-K Super-Nite 16%	Manufacturer
		Guaranteed
	Knoxville Fertilizer Co., Knoxville, Tenn.	
3883	Knox Magnesia Phosphate	C. M. Langdon, Science Hill
3884		F. C. Walker, Columbia
3885		Reynolds and Burleson, Waynesburg
3886		G. H. Bowles and Co., Glasgow
3887		Vick Smith, Bowling Green
4305		W. W. Taylor, Somerset
4306		C. M. Langdon, Science Hill
4361		Mayhew Feed Co., Franklin
		Guaranteed
3888	Basic O-Ten-Four	W. W. Taylor, Somerset
3889		Vick Smith, Bowling Green
3890		Mayhew Feed Co., Franklin
3891		Reynolds and Burleson, Waynesburg
3892		F. C. Walker, Columbia
4307		W. W. Taylor, Somerset
4308		C. M. Langdon, Science Hill
4362		Young Hardware Co., Hopkinsville
4363		Mayhew Feed Co., Franklin
4364		Vick Smith, Bowling Green
		Guaranteed
3893	Knox Vegetable Special	C. M. Langdon, Science Hill
4177		Renfro Supply Co., Williamsburg
		Guaranteed
3894	Basic Bonemix	F. C. Walker, Columbia
4309		C. M. Langdon, Science Hill
		Guaranteed
3895	Bright Burley Brand	Vick Smith, Bowling Green
3896		Stewart's Cash Grocery, Horse Cave
3897		F. C. Walker, Columbia
4178		Renfro Supply Co., Williamsburg
		Guaranteed
3388	Dark Tobacco Brand	Manufacturer
		Guaranteed
3389	Knox Triple A	Manufacturer
		Guaranteed
3898	Double Triple A	F. C. Walker, Columbia
		Guaranteed
3392	Basic O-Twelve-Four	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		16.00						19.2	3882
		16.15						19.4	4175
		15.85						19.0	4176
		16.00						*19.2*	
		17.95						21.5	3667
		16.00						*19.2*	
		17.40						20.9	3883
		16.10						19.3	3884
		17.35						20.8	3885
		17.85						21.4	3886
		17.05						20.5	3887
		17.10						20.5	4305
		16.65						20.0	4306
		16.55						19.9	4361
		16.00						*19.2*	
		11.00				4.24		21.6	3888
		10.65				4.38		21.2	3889
		11.30				4.40		22.2	3890
		11.00				4.32		21.7	3891
		10.55				4.07		20.7	3892
		10.65				3.95		20.7	4307
		10.75				3.97		20.9	4308
		10.20				4.00		20.1	4362
		10.30				4.18		20.5	4363
		10.95				4.16		21.4	4364
		10.00				*4.00*		*19.8*	
2.08	2.08	8.50				4.30		26.2	3893
1.93	2.14	8.85				4.33		27.0	4177
	2.00	*8.00*				*4.00*		*24.8*	
1.96	1.96	9.25				4.11		26.7	3894
1.61	1.84	9.10				4.02		25.8	4309
	2.00	*10.00*				*2.00*		*25.4*	
1.52	2.10	9.55				4.48		28.1	3895
1.63	2.22	9.90				4.25		28.8	3896
1.61	2.17	9.80				4.17		28.4	3897
1.57	2.19	9.30				4.41		28.0	4178
	2.00	*9.00*				*2.00*	*2.00*	*26.9*	
1.70	2.16	8.60				4.00	0.66	27.3	3388
	2.00	*9.00*				*2.00*	*2.00*	*26.9*	
4.77	4.77	10.75				4.22		40.3	3389
	4.00	*10.00*				*4.00*		*35.8*	
4.02	4.38	12.15				4.07		40.6	3898
	4.00	*12.00*				*4.00*		*38.8*	
		12.90				4.91		25.2	3392
		12.00				*4.00*		*22.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Knoxville Fertilizer Co.,	**Knoxville, Tenn.—Cont.**
3393	Knox Krop Kicker	Manufacturer
		Guaranteed
3901	Knox Potato Grower	W. W. Taylor, Somerset
		Guaranteed
3902	Basic Three-Eight-Six	F. C. Walker, Columbia
		Guaranteed
3396	Muriate of Potash	Manufacturer
		Guaranteed
3397	Nitrate of Soda	Manufacturer
		Guaranteed
3399	Sulphate of Ammonia	Manufacturer
		Guaranteed
3903	Based Ammoniate	Mayhew Feed Co., Franklin
3904		Stewart's Cash Grocery, Horse Cave
		Guaranteed
4266	Basic Magnesia Phosphate	Manufacturer
		Guaranteed
	Louisville Fertilizer Co., (Armour owned)	**Louisville, Cincinnati, Nashville.**
4179	Louisville 16% Superphosphate	Walter Young Coal Co., Owingsville
4180		Yopp Seed Co., Paducah
4365		Yopp Seed Co., Paducah
4389		Ratliffe Hardware Co., Princeton
		Guaranteed
4181	Louisville 20% Superphosphate	W. H. Pieratt Co., Mt. Sterling
		Guaranteed
3220	Louisville 32% Superphosphate	Manufacturer
		Guaranteed
3221	Louisville 2-10-2 Fertilizer	Manufacturer
		Guaranteed
4182	Louisville 2-10-4 Fertilizer	Walter Young Coal Co., Owingsville
		Guaranteed
3223	Louisville 2-12-2 Fertilizer	Manufacturer
		Guaranteed
3224	Louisville 2-12-6 Fertilizer	Manufacturer
		Guaranteed
3225	Louisville 2-16-8 Fertilizer	Manufacturer
		Guaranteed
3226	Louisville 3-18-3 Fertilizer	Manufacturer
		Guaranteed
3227	Louisville 4-12-4 Fertilizer	Manufacturer
		Guaranteed
4183	Louisville 4-16-4 Fertilizer	Yopp Seed Co., Paducah
		Guaranteed
3229	Louisville 2-8-5 Fertilizer	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.02	2.02	10.90				4.48		29.8	3393
	2.00	*10.00*				*4.00*		*27.8*	
3.06	3.28	8.60				6.00		33.2	3901
	3.00	*8.00*				*6.00*		*31.2*	
2.96	3.21	8.95				6.18		33.7	3902
	3.00	*8.00*				*6.00*		*31.2*	
						50.88		61.1	3396
						50.00		*60.0*	
	15.76							63.0	3397
	15.00							*60.0*	
	20.88							83.5	3399
	19.74							*79.0*	
	15.08							60.3	3903
	15.28							61.1	3904
	15.00							*60.0*	
		15.00						18.0	4266
		14.00						*16.8*	
		16.60						19.9	4179
		16.10						19.3	4180
		16.35						19.6	4365
		16.35						19.6	4389
		16.00						*19.2*	
		20.75						24.9	4181
		20.00						*24.0*	
		32.85						39.4	3220
		32.00						38.4	
2.26	2.26	11.30				2.68		29.2	3221
	2.00	*10.00*				*2.00*		*25.4*	
2.05	2.05	10.20				4.44		28.8	4182
	2.00	*10.00*				*4.00*		*27.8*	
2.10	2.10	12.30				2.66		30.0	3223
	2.00	*12.00*				*2.00*		*28.4*	
2.14	2.14	12.35				6.52		34.9	3224
	2.00	*12.00*				*6.00*		*33.2*	
2.32	2.32	15.75				8.96		43.7	3225
	2.00	*16.00*				*8.00*		*41.6*	
3.30	3.50	19.40				3.90		47.8	3226
	3.00	*18.00*				*3.00*		*42.6*	
4.18	4.18	13.30				4.66		42.3	3227
	4.00	*12.00*				*4.00*		*38.8*	
3.98	3.98	16.15				5.07		46.2	4183
	4.00	*16.00*				*4.00*		*44.8*	
2.16	2.16	9.20				5.35		28.9	3229
	2.00	*8.00*				*5.00*		*26.0*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Louisville Fertilizer Co., (Armour owned)	**Louisville, Cincinnati, Nashville—Cont.**
3230	Louisville 4-12-8 Fertilizer	Manufacturer
		Guaranteed
3231	Louisville 3-10-3 Fertilizer	Manufacturer
		Guaranteed
3232	Louisville 3-8-6 Fertilizer	Manufacturer
		Guaranteed
3233	Louisville 2-12-10 Fertilizer	Manufacturer
		Guaranteed
3234	Louisville 0-10-4 Fertilizer	Manufacturer
		Guaranteed
3235	Louisville 0-12-4 Fertilizer	Manufacturer
		Guaranteed
3236	Louisville 0-16-8 Fertilizer	Manufacturer
		Guaranteed
3237	Louisville 2-8-4 Tobacco Grower	Manufacturer
		Guaranteed
4184	Louisville Burley Tobacco Grower 3-8-6	Walter Young Coal Co., Owingsville
4185		W. H. Pieratt Co., Mt. Sterling
		Guaranteed
3239	Louisville Plant Bed Special 4-8-3	Manufacturer
		Guaranteed
4186	Louisville High Analysis Burley Tobacco Grower 4-12-8	W. H. Pieratt Co., Mt. Sterling
4187		Walter Young Coal Co., Owingsville
		Guaranteed
3241	Louisville Potato Grower 3-8-6	Manufacturer
		Guaranteed
3242	Louisville High Analysis Potato Grower 4-12-8	Manufacturer
		Guaranteed
3243	Louisville Truck Grower 4-8-3	Manufacturer
		Guaranteed
3244	Louisville Special Top Dressing 12-8-4	Manufacturer
		Guaranteed
3245	Louisville Old Black Joe 2-10-4	Manufacturer
		Guaranteed
3246	Louisville Raw Bone 3.70-22-0	Manufacturer
		Guaranteed
3247	Louisville Bone Meal 2.50-24-0	Manufacturer
		Guaranteed
3248	Louisville Nitrate of Soda	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Soluble	Total Water	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
3.19	4.10	12.25				0.96	7.89	47.8	3230
	4.00	*12.00*				*8.00*		*43.6*	
3.21	3.21	10.95				3.63		33.6	3231
	3.00	*10.00*				*3.00*		*30.6*	
3.19	3.19	8.65				6.62		33.7	3232
	3.00	*8.00*				*6.00*		*31.2*	
2.51	2.51	12.40				10.74		41.5	3233
	2.00	*12.00*				*10.00*		*38.0*	
		10.95				4.52		21.9	3234
		10.00				*4.00*		*19.8*	
		12.95				4.52		24.9	3235
		12.00				*4.00*		*22.8*	
		16.40				8.75		35.1	3236
		16.00				*8.00*		*33.6*	
1.61	2.12	8.75					4.21	27.9	3237
	2.00	*8.00*				*4.00*		*24.8*	
2.19	2.92	8.55					5.76	33.2	4184
2.11	2.89	8.40					5.79	32.9	4185
	3.00	*8.00*					*6.00*	*33.0*	
2.94	3.86	8.15					3.26	32.6	3239
	4.00	*8.00*					*3.00*	*32.5*	
3.21	4.06	12.40					7.97	46.8	4186
3.28	4.09	12.35				1.04	6.91	46.5	4187
	4.00	*12.00*					*8.00*	*46.0*	
2.31	3.13	8.60				1.04	5.54	35.0	3241
	3.00	*8.00*				*6.00*		*31.2*	
4.14	4.14	12.90				9.00		46.7	3242
	4.00	*12.00*				*8.00*		*43.6*	
4.15	4.15	8.80				3.67		34.2	3243
	4.00	*8.00*				*3.00*		*31.6*	
12.38	12.38	8.30					4.54	68.8	3244
	12.00	*8.00*					*4.00*	*66.0*	
1.82	2.20	9.95				4.52		29.2	3245
	2.00	*10.00*				*4.00*		*27.8*	
	3.67		23.25	100				37.9	3246
	3.70		*22.00*					*36.8*	
	2.69		26.50	100				37.3	3247
	2.50		*24.00*					*34.0*	
	16.08							64.3	3248
	15.00							*60.0*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Louisville Fertilizer Co., Armour owned)	**Louisville, Cincinnati, Nashville—Cont.**
3401	Louisville Muriate of Potash	Manufacturer
		Guaranteed
4270	Louisville 16% Lime Phosphate	Manufacturer
		Guaranteed
	Memphis Fertilizer Co.,	**Memphis, Tenn.**
3905	Memphis Tobacco Fertilizer 3-8-6	I. K. Miller and Son., Campbellsville
4188		Ratliffe Hardware Co., Princeton
		Guaranteed
4189	Memphis Fertilizer 0-10-4	Ratliffe Hardware Co., Princeton
		Guaranteed
3906	Memphis Superphosphate 16%	I. K. Miller and Son., Campbellsville
4190		Ratliffe Hardware Co., Princeton
		Guaranteed
3680	Memphis Tobacco Mixture 4-12-4	Manufacturer
		Guaranteed
4191	Memphis Tobacco Formula	Ratliffe Hardware Co., Princeton
4192		Dairyman's Feed and Supply Co., Mayfield
		Guaranteed
3682	Memphis Tobacco Special	Manufacturer
		Guaranteed
4193	Memphis Complete Fertilizer 2-10-4	N. P. Hutson, Murray
		Guaranteed
	National Chemical Co.,	**Louisville, Ky.**
4194	Big Pay Beef, Blood and Bone 2-8-4	E. A. Cohen, Greenville
		Guaranteed
4195	Big Pay Ky. Special Tobacco Grower 2-8-5	E. A. Cohen, Greenville
		Guaranteed
3907	Big Pay Wheat and Corn Grower 2-10-2	R. L. Stearns, Monticello
		Guaranteed
3908	Big Pay Black Bone Tobacco Grower 2-10-2	E. S. Ferrill and Son, Buffalo
4310		E. S. Ferrill and Son, Buffalo
		Guaranteed
3453	Big Pay Crady's Formula 2-10-4	Manufacturer
		Guaranteed
3454	Big Pay Champion 2-12-2	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
						50.28		60.3	3401
						48.00		*57.6*	
		15.90						19.1	4270
		16.00						*19.2*	
2.87	2.87	8.70				6.07		31.8	3905
2.77	2.77	7.95				6.60		30.9	4188
	3.00	*8.00*				*6.00*		*31.2*	
		11.50				3.72		21.7	4189
		10.00				*4.00*		*19.8*	
		16.65						20.0	3906
		17.20						20.6	4190
		16.00						*19.2*	
4.07	4.07	12.30				1.36	2.89	40.7	3680
	4.00	*12.00*				*4.00*		*38.8*	
1.96	1.96	9.05				6.40		29.1	4191
2.00	2.00	8.50				6.46		28.5	4192
	2.00	*8.00*				*6.00*		*27.2*	
3.91	3.91	11.95				8.46		43.7	3682
	4.00	*12.00*				*8.00*		*43.6*	
1.91	1.91	9.90				4.48		27.9	4193
	2.00	*10.00*				*4.00*		*27.8*	
1.49	2.03	8.35				4.00		25.5	4194
	2.00	*8.00*				*4.00*		*24.8*	
1.66	2.22	8.90				5.03		28.3	4195
	2.00	*8.00*				*5.00*		*26.0*	
1.74	2.17	10.05				2.20		26.4	3907
	2.00	*10.00*				*2.00*		*25.4*	
1.81	2.12	10.00				2.15		26.1	3908
1.46	2.00	11.50				2.15		27.8	4310
	2.00	*10.00*				*2.00*		*25.4*	
2.65	2.65	12.10				4.91		34.6	3453
	2.00	*10.00*				*4.00*		*27.8*	
2.60	2.60	14.35				3.13		35.7	3454
	2.00	*12.00*				*2.00*		*28.4*	

TABLE 1.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	National Chemical Co.,	**Louisville, Ky.—Cont.**
3455	Big Pay Tomato and Tobacco Fertilizer 2-12-6	Manufacturer
		Guaranteed
3457	Big Pay 2-16-8 Formula	Manufacturer
		Guaranteed
3909	†Big Pay Special Tobacco and Potato Fertilizer 3-8-6	Boyd and Raymond, Shelbyville
3910		Wheeler Grocery Co., Whitley City
4311		E. S. Ferrill and Sons, Buffalo
		Guaranteed
3459	Big Pay Special Tobacco and Potato Grower 3-8-6	Manufacturer
		Guaranteed
3461	Big Pay 3-10-3 Fertilizer	Manufacturer
		Guaranteed
3462	Big Pay Front Rank Fertilizer 3-12-4	Manufacturer
		Guaranteed
3463	Big Pay Champion Potato and Tobacco Fertilizer 4-10-4	Manufacturer
		Guaranteed
3464	Big Pay Champion Potato and Tobacco Grower 4-10-4	Manufacturer
		Guaranteed
3911	Big Pay Tobacco Bed Special 4-10-0	Boyd and Raymond, Shelbyville
		Guaranteed
3467	Big Pay Blue Grass High Grade Tobacco Fertilizer 6-8-3	Manufacturer
		Guaranteed
3468	Big Pay Tobacco Bed Fertilizer 6-8-3	Manufacturer
		Guaranteed
3469	Big Pay Tobacco and Vegetable Grower 6-8-6	Manufacturer
		Guaranteed
3470	Big Pay Potato Fertilizer 5-10-5	Manufacturer
		Guaranteed
3471	Big Pay Phosphate and Potash 0-12-6	Manufacturer
		Guaranteed
3472	Big Pay Potash Formula 0-10-10	Manufacturer
		Guaranteed
3912	Big Pay Potash Mixture 0-10-4	E. S. Ferrill and Son, Buffalo
4312		E. S. Ferrill and Son, Buffalo
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.62	2.62	14.25				7.57		40.9	3455
	2.00	*12.00*				*6.00*		*33.2*	
2.36	2.36	17.50				10.02		47.7	3457
	2.00	*16.00*				*8.00*		*41.6*	
2.25	2.81	8.15				7.04		31.9	3909
2.52	3.06	7.90				6.73		32.2	3910
2.07	2 67	9.80				5.52		32.0	4311
	3.00	*8.00*				*6.00*		*31.2*	
4.21	4.21	10.35				1.04	7.65	42.8	3459
	3.00	*8.00*					*6.00*	*33.0*	
4.02	4.02	12.20				3.78		38.9	3461
	3.00	*10.00*				*3.00*		*30.6*	
3.61	3.61	13.90				5.16		41.5	3462
	3.00	*12.00*				*4.00*		*34.8*	
4.63	4.63	11.65				5.76		42.9	3463
	4.00	*10.00*				*4.00*		*35.8*	
4.95	4.95	12.20				0.56	4.66	44.4	3464
	4.00	*10.00*					*4.00*	*37.0*	
3.46	4.03	9.95						31.1	3911
	4.00	*10.00*						*31.0*	
5.26	6.88	9.65					3.99	48.0	3467
	6.00	*8.00*					*3.00*	*40.5*	
5.00	7.06	9.85					4.15	49.3	3468
	6.00	*8.00*					*3.00*	*40.5*	
5.44	6.86	9.50				10.20		53.9	3469
	6.00	*8.00*				*6.00*		*43.2*	
4.49	5.50	12.00				6.63		48.0	3470
	5.00	*10.00*				*5.00*		*41.0*	
		14.35				7.04		30.0	3471
		12.00				*6.00*		*25.2*	
		11.95				12.09		32.4	3472
		10.00				*10.0*		*27.0*	
		10.20				4.55		20.8	3912
		10.35				4.00		20.3	4312
		10.00				*4.00*		*19.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	National Chemical Co., Louisville, Ky.—Cont.	
3913	†Big Pay 16% Superphosphate	R. L. Stearns, Monticello
4313		Farmers Supply Co., Danville
4314		E. S. Ferrill and Son, Buffalo
		Guaranteed
4197	Big Pay 20% Superphosphate	Farmers Supply Co., Lexington
		Guaranteed
3476	Big Pay Superphosphate with Tobacco Stems 16%	Manufacturer
		Guaranteed
3477	Big Pay Triple Superphosphate 45%	Manufacturer
		Guaranteed
3478	Big Pay Nitrate of Soda	Manufacturer
		Guaranteed
3479	Big Pay Sulphate of Ammonia	Manufacturer
		Guaranteed
3481	Big Pay Raw Bone 3:30-20-0	Manufacturer
		Guaranteed
	North American Fertilizer Co., Inc., Louisville, Ky.	
3357	North American Tobacco Bed Fertilizer 6-8-3	Manufacturer
		Guaranteed
3358	B. B. Nitrate of Soda	Manufacturer
		Guaranteed
3915	No. Amer. Beef Blood and Bone	I. K. Miller and Son, Campbellsville
3916		O. E. Rippetoe, Russell Springs
		Guaranteed
3917	No. Amer. Special Tobacco Grower 2-8-5	Geo. Richardson, Somerset
		Guaranteed
3918	No. Amer. Wheat and Corn Grower 2-10-2	O. E. Rippetoe, Russell Springs
3919		Farm Bureau Supply Co., Elizabethtown
3920		S. A. Montgomery, McKinney
4315		Henry Durham, Greensburg
4366		Bunton Seed Co., Louisville
		Guaranteed
3921	No. Amer. Black Bone Tobacco Grower 2-10-2	Walthall and Bristow, Horse Cave
3922		Henry Durham, Greensburg
		Guaranteed
3923	No. Amer. Crady's Formula 2-10-4	Union Store Co., Buechel
		Guaranteed
3924	No. Amer. Champion 2-12-2	R. L. Stearns, Monticello
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		16.20						*19.4*	3913
		16.25						19.5	4313
		16.10						19.3	4314
		16.00						*19.2*	
		19.70						23.6	4197
		20.00						*24.0*	
		17.75						21.3	3476
		16.00						*19.2*	
		43.70						52.4	3477
		45.00						*54.0*	
	16.08							64.3	3478
	15.00							*60.0*	
	21.08							84.3	3479
	20.00							*80.0*	
	4.25		23.90	78	22			40.9	3481
	3.30		*20.00*					*33.2*	
5.26	6.88	9.65					3.99	48.0	3357
	6.00	*8.00*					*3.00*	*40.5*	
	16.08							64.3	3358
	15.00							*60.0*	
1.52	2.00	8.30				4.25		25.6	3915
1.63	2.10	8.25				3.86		25.4	3916
	2.00	*8.00*				*4.00*		*24.8*	
1.76	2.24	8.70				4.99		28.0	3917
	2.00	*8.00*				*5.00*		*26.0*	
1.59	2.19	10.40				1.96		26.7	3918
1.69	2.19	9.95				1.73		25.8	3919
1.65	2.10	9.95				2.20		26.0	3920
1.25	1.82	9.60				2.27		24.4	4315
1.52	2.17	10.55				2.48		27.5	4366
	2.00	*10.00*				*2.00*		*25.4*	
1.59	2.11	9.10				3.48		26.3	3921
1.85	2.30	9.50				2.02		25.9	3922
	2.00	*10.00*				*2.00*		*25.4*	
1.84	2.17	11.00				4.19		30.2	3923
	2.00	*10.00*				*4.00*		*27.8*	
1.71	2.27	12.45				2.00		30.2	3924
	2.00	*12.00*				*2.00*		*28.4*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	North American Fertilizer Co., Inc., Louisville, Ky.—Cont.	
3409	No. Amer. Tomato and Tobacco Fertilizer 2-12-6	Manufacturer
		Guaranteed
3411	No. Amer. 2-16-8 Formula	Manufacturer
		Guaranteed
3925	No. Amer. Special Tobacco and Potato Fertilizer 3-8-6	O. E. Rippetoe, Russell Springs
3926		Walthall and Bristow, Horse Cave
4198		A. D. Roberts, Hawesville
4199		Louisa Supply Co., Louisa
		Guaranteed
3413	No. Amer. Special Tobacco and Potato Grower 3-8-6	Manufacturer
		Guaranteed
3415	No. Amer. 3-10-3 Fertilizer	Manufacturer
		Guaranteed
3416	No. Amer. Front Rank Fertilizer 3-12-4	Manufacturer
		Guaranteed
3928	No. Amer. Champion Potato and Tobacco Fertilizer 4-10-4	O. E. Rippetoe, Russell Springs
4200		Louisa Supply Co., Louisa
		Guaranteed
3418	No. Amer. Champion Potato and Tobacco Grower 4-10-4	Manufacturer
		Guaranteed
3929	No. Amer. Tobacco Bed Special 4-10-0	Farm Bureau Supply Co., Elizabethtown
		Guaranteed
3421	No. Amer. Blue Grass High Grade Tobacco Fertilizer 6-8-3	Manufacturer
		Guaranteed
3422	No. Amer. Tobacco and Vegetable Grower 6-8-6	Manufacturer
		Guaranteed
4201	No. Amer. Potato Fertilizer 5-10-5	R. C. Poage Milling Co., Ashland
		Guaranteed
3424	No. Amer. Phosphate and Potash 0-12-6	Manufacturer
		Guaranteed
3425	No. Amer. Potash Formula 0-10-10	Manufacturer
		Guaranteed
3932	No. Amer. Potash Mixture 0-10-4	A. S. Miller, Magnolia
3933		O. E. Rippetoe, Russell Springs
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.62	2.62	14.25				7.57		40.9	3409
	2.00	*12.00*				*6.00*		*33.2*	
2.36	2.36	17.50				10.02		47.7	3411
	2.00	*16.00*				*8.00*		*41.6*	
2.72	3.22	7.80				5.62		31.3	3925
2.41	2.96	8.55				6.09		32.0	3926
2.37	2.90	8.05				5.98		30.9	4198
2.85	3.26	8.00				6.01		32.3	4199
	3.00	*8.00*				*6.00*		*31.2*	
4.21	4.21	10.35				1.04	7.65	42.8	3413
	3.00	*8.00*					*6.00*	*33.0*	
4.02	4.02	12.20				3.78		38.9	3415
	3.00	*10.00*				*3.00*		*30.6*	
3.61	3.61	13.90				5.16		41.5	3416
	3.00	*12.00*				*4.00*		*34.8*	
2.84	3.60	10.05				5.15		35.7	3928
3.20	3.71	10.00				4.77		35.6	4200
	4.00	*10.00*				*4.00*		*35.8*	
4.95	4.95	12.20				0.56	4.66	44.4	3418
	4.00	*10.00*					*4.00*	*37.0*	
3.93	4.69	10.45						34.4	3929
	4.00	*10.00*						*31.0*	
5.26	6.88	9.65					3.99	48.0	3421
	6.00	*8.00*					*3.00*	*40.5*	
5.44	6.86	9.50				10.20		53.9	3422
	6.00	*8.00*				*6.00*		*43.2*	
4.57	5.16	9.95				4.99		41.6	4201
	5.00	*10.00*				*5.00*		*41.0*	
		14.35				7.04		30.0	3424
		12.00				*6.00*		*25.2*	
		11.95				12.09		32.4	3425
		10.00				*10.00*		*27.0*	
		11.10				3.99		21.4	3932
		9.80				4.07		19.6	3933
		10.00				*4.00*		*19.8*	

TABLE 1.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	North American Fertilizer Co., Inc., Louisville, Ky.—Cont.	
3934	No. Amer. 16% Superphosphate	Henry Durham, Greensburg
3935		George Richardson, Somerset
3936		Reynolds and Walthall, Cave City
4316		Grigsby and Co., Bardstown
4317		Henry Durham, Greensburg
		Guaranteed
3937	†No. Amer. 20% Superphosphate	J. H. and J. L. Lyons, Loretto
		Guaranteed
3429	No. Amer. Superphosphate with Tobacco Stems 16%	Manufacturer
		Guaranteed
3431	No. Amer. Nitrate of Soda	Manufacturer
		Guaranteed
3432	No. Amer. Sulphate of Ammonia	Manufacturer
		Guaranteed
3434	No. Amer. Raw Bone 3.30-20-0	Manufacturer
		Guaranteed
3436	B. B. High Grade Vegetable Grower 4-10-0	Manufacturer
		Guaranteed
3437	B. B. Wheat and Corn Grower 2-10-2	Manufacturer
		Guaranteed
3438	B. B. Truckers Special 2-10-4	Manufacturer
		Guaranteed
4367	B. B. Special Grain Grower 2-16-2	Bunton Seed Co., Louisville
		Guaranteed
3440	B. B. Champion Potato Grower 4-10-4	Manufacturer
		Guaranteed
3441	B. B. 5-10-5 Fertilizer	Manufacturer
		Guaranteed
3442	B. B. A-1 Potato Grower 3-8-6	Manufacturer
		Guaranteed
3443	B. B. Tobacco Booster 2-8-4	Manufacturer
		Guaranteed
3444	B. B. Burley Special 6-8-3	Manufacturer
		Guaranteed
3445	B. B. 16% Superphosphate	Manufacturer
		Guaranteed
4368	B. B. Raw Bone 3.30-20-0	Bunton Seed Co., Louisville
		Guaranteed
3448	B. B. Lawn and Garden Fertilizer 5-12-4	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		15.95						19.1	3934
		16.00						19.2	3935
		15.80						19.0	3936
		16.10						19.3	4316
		16.35						19.6	4317
		16.00						*19.2*	
		19.70						23.6	3937
		20.00						*24.0*	
		17.75						21.3	3429
		16.00						*19.2*	
	16.08							64.3	3431
	15.00							*60.0*	
	21.08							84.3	3432
	20.00							*80.0*	
	4.25		23.90	78	22			40.9	3434
	3.30		*20.00*					*33.2*	
4.74	4.74	12.55						37.8	3436
	4.00	*10.00*						*31.0*	
2.60	2.60	12.50				2.87		32.6	3437
	2.00	*10.00*				*2.00*		*25.4*	
2.65	2.65	12.10				4.91		34.6	3438
	2.00	*10.00*				*4.00*		*27.8*	
1.64	2.35	15.65				2.44		35.8	4367
	2.00	*16.00*				*2.00*		*34.4*	
4.63	4.63	11.65				5.76		42.9	3440
	4.00	*10.00*				*4.00*		*35.8*	
4.49	5.50	12.00				6.63		48.0	3441
	5.00	*10.00*				*5.00*		*41.0*	
4.21	4.21	10.35				1.04	7.65	42.8	3442
	3.00	*8.00*					*6.00*	*33.0*	
2.47	2.47	9.30				5.34		30.2	3443
	2.00	*8.00*				*4.00*		*24.8*	
5.26	6.88	9.65					3.99	48.0	3444
	6.00	*8.00*					*3.00*	*40.5*	
		18.10						21.7	3445
		16.00						*19.2*	
	3.77		22.25	61	39			37.3	4368
	3.30		*20.00*					*33.2*	
5.42	5.42	13.80				4.81		48.2	3448
	5.00	*12.00*				*4.00*		*42.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	N. V. Potash Export My., Inc.,	**Chicago, Ill.**
3264	Muriate of Potash	Manufacturer
		Guaranteed
3265	Sulphate of Potash	Manufacturer
		Guaranteed
	The Price Chemical Co., Inc.,	**Louisville, Ky.**
3063	Nitro Potato Grower	Manufacturer
		Guaranteed
3065	Nitro Tobacco Fertilizer	Manufacturer
		Guaranteed
3066	Five-Ten-Five	Manufacturer
		Guaranteed
4202	Four-Sixteen-Four	Haroldson's Feed and Seed Store, Owensboro
		Guaranteed
3068	Four-Ten-Four	Manufacturer
		Guaranteed
3939	Plant Bed Special	Hudson and Farnan, Harrodsburg
3940		Stewart and Co., Munfordville
		Guaranteed
3070	Double Potash Burley Grower	Manufacturer
		Guaranteed
3941	Burley Tobacco Grower	Eldred Hardware Co., Princeton
4203		Estill and Thomas, Owingsville
4204		R. H. Marrs and Co., Lawrenceburg
		Guaranteed
3072	Potato Grower	Manufacturer
		Guaranteed
3942	Tobacco Mixture	Walters and Thompson, Shelbyville
4205		Aaron L. Moore, Leitchfield
4206		Monarch Milling Co., Mt. Sterling
		Guaranteed
3074	Potato Mixture	Manufacturer
		Guaranteed
4207	Truck and Tobacco Fertilizer	N. D. Tabor, Olive Hill
4208		Aaron L. Moore, Leitchfield
		Guaranteed
3076	A-1 Grain Grower	Manufacturer
		Guaranteed
3077	Tomato Special	Manufacturer
		Guaranteed
3943	Corn and Wheat Fertilizer	Walters and Thompson, Shelbyville
4209		Morehead Milling Co., Morehead
4210		Aaron L. Moore, Leitchfield
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
						51.60		61.9	3264
						48.00		*57.6*	
						51.84		77.8	3265
						48.00		*72.0*	
6.84	6.84	9.30				7.16		49.9	3063
	6.00	*8.00*				*6.00*		*43.2*	
6.92	6.92	9.55				0.72	6.48	52.6	3065
	6.00	*8.00*					*6.00*	*45.0*	
5.97	5.97	11.55				6.11		48.5	3066
	5.00	*10.00*				*5.00*		*41.0*	
3.11	3.87	16.60				4.29		45.5	4202
	4.00	*16.00*				*4.00*		*44.8*	
5.66	5.66	11.15				5.59		46.1	3068
	4.00	*10.00*				*4.00*		*35.8*	
2.87	4.08	10.50						32.1	3939
2.81	4.03	10.80						32.3	3940
	4.00	*10.00*						*31.0*	
4.16	4.16	9.75					13.11	50.9	3070
	3.00	*8.00*					*12.00*	*42.0*	
2.29	2.77	9.60				1.04	4.22	33.1	3941
2.66	3.37	8.55				1.04	4.97	35.0	4203
2.71	3.49	8.80				1.60	4.24	35.4	4204
	3.00	*8.00*					*6.00*	*33.0*	
4.00	4.00	9.95					7.12	41.6	3072
	3.00	*8.00*					*6.00*	*33.0*	
2.44	3.00	8.50				6.46		32.5	3942
2.21	2.93	8.20				6.67		32.0	4205
2.59	3.15	9.15				6.31		33.9	4206
	3.00	*8.00*				*6.00*		*31.2*	
3.58	3.58	10.30				7.03		38.2	3074
	3.00	*8.00*				*6.00*		*31.2*	
2.68	3.31	8.80				3.10		30.2	4207
2.47	3.24	8.60				3.44		30.0	4208
	3.00	*8.00*				*3.00*		*27.6*	
2.92	2.92	14.10				6.95		41.2	3076
	2.00	*12.00*				*6.00*		*33.2*	
2.92	2.92	13.90				7.20		41.2	3077
	2.00	*12.00*				*6.00*		*33.2*	
1.59	2.37	13.15				2.74		32.5	3943
1.69	2.50	12.70				2.52		32.1	4209
1.52	2.26	13.55				2.15		32.0	4210
	2.00	*12.00*				*2.00*		*28.4*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The Price Chemical Co., Inc., Louisville, Ky.—Cont.	
3944	Beef, Blood and Bone	G. M. Stevenson, Columbia
3945		I. K. Miller and Son, Campbellsville
4211		Eldred Hardware Co., Princeton
4212		Aaron L. Moore, Leitchfield
4391		Aaron L. Moore, Leitchfield
		Guaranteed
3080	Old Time Tobacco Fertilizer	Manufacturer
		Guaranteed
4213	Blue Grass Tobacco Fertilizer	Aaron L. Moore, Leitchfield
		Guaranteed
4214	Harvest King	Farmer's Supply Co., White Plains
		Guaranteed
3083	Ten and Ten Per Cent Potash	Manufacturer
		Guaranteed
3946	Phosphate and Potash	G. M. Stevenson, Columbia
		Guaranteed
3947	Phosphate and Tobacco—with 200 lb. Tobacco Stems	I. K. Miller and Son, Campbellsville
4215		Aaron L. Moore, Leitchfield
		Guaranteed
3086	40% Superphosphate	Manufacturer
		Guaranteed
3087	24% Superphosphate	Manufacturer
		Guaranteed
3948	†20% Superphosphate	G. M. Stevenson, Columbia
		Guaranteed
3949	†16% Superphosphate	Walters and Thompson, Shelbyville
3950		G. M. Stevenson, Columbia
3951		Scottsville Produce Co., Scottsville
4216		Eldred Hardware, Princeton
		Guaranteed
3090	Four-Eight-Six Potato Fertilizer	Manufacturer
		Guaranteed
3091	Raw Bone	Manufacturer
		Guaranteed
3092	Steamed Bone Meal	Manufacturer
		Guaranteed
3538	Truck and Tobacco Fertilizer 4-8-4	Manufacturer
		Guaranteed
3539	32% Superphosphate	Manufacturer
		Guaranteed
3540	Potato and Tobacco Mixture 3-8-6	Manufacturer
		Guaranteed
3541	Superphosphate 45%	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
1.33	2.08	10.60				2.29		27.0	3944
1.60	2.38	10.80				2.58		28.8	3945
1.49	2.24	10.90				2.13		27.9	4211
1.51	2.23	10.60				3.61		29.2	4212
1.88	2.46	9.75				2.54		27.5	4391
	2.00	*10.00*				*2.00*		*25.4*	
3.00	3.00	10.05					6.47	36.8	3080
	2.00	*8.00*					*5.00*	*27.5*	
1.71	2.26	8.80				4.13		27.2	4213
	2.00	*8.00*				*4.00*		*24.8*	
1.69	2.17	8.10				4.56		26.3	4214
	2.00	*8.00*				*4.00*		*24.8*	
		12.00				10.91		31.1	3083
		10.00				*10.00*		*27.0*	
		10.95				4.42		21.7	3946
		10.00				*4.00*		*19.8*	
		14.75						17.7	3947
		15.30						18.4	4215
		14.00						*16.8*	
		46.05						55.3	3086
		40.00						*48.0*	
		26.65						32.0	3087
		24.00						*28.8*	
		21.25						25.5	3948
		20.00						*24.0*	
		17.90						21.5	3949
		16.95						20.3	3950
		17.85						21.4	3951
		18.15						21.8	4216
		16.00						*19.2*	
4.99	4.99	9.80				7.08		43.2	3090
	4.00	*8.00*				*6.00*		*35.2*	
	3.18		23.95	53	47			36.7	3091
	3.71		*22.00*					*36.8*	
	3.13		24.10	50	50			36.6	3092
	2.47		*24.00*					*33.9*	
5.08	5.08	9.90				5.11		41.3	3538
	4.00	*8.00*				*4.00*		*32.8*	
		34.80						41.8	3539
		32.00						*38.4*	
3.82	3.82	9.80				6.82		38.2	3540
	3.00	*8.00*				*6.00*		*31.2*	
		45.85						55.0	3541
		45.00						*54.0*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Rasin-Monumental Co. (Sub. Va.-Car. Chem. Corp.), Cincinnati, O.	
3513	Rasin's Phospho Tobacco 16%	Manufacturer
		Guaranteed
3514	Rasin's Phospho Tobacco 24%	Manufacturer
		Guaranteed
3516	Rasin's Ammoniated Phospho Tobacco 2-12-2	Manufacturer
		Guaranteed
3952	Rasin's Superphosphate 16%	C. M. Langdon, Science Hill
		Guaranteed
3518	Rasin's Superphosphate 20%	Manufacturer
		Guaranteed
3519	Rasin's Superphosphate 24%	Manufacturer
		Guaranteed
3520	Rasin's 0-10-4 Phosphate and Potash	Manufacturer
		Guaranteed
3953	Rasin's Corn and Wheat Grower	J. H. Jasper, West Somerset
		Guaranteed
4217	Rasin's Sweepstakes Fertilizer	M. G. Parman, London
		Guaranteed
3523	Rasin's Black Patch Tobacco Grower	Manufacturer
		Guaranteed
3524	Rasin's Potato and Truck	Manufacturer
		Guaranteed
4218	Rasin's 2-8-4 Tobacco Grower (Potash from Sulfate)	M. D. Royse, Winchester
		Guaranteed
3526	Rasin's Burley Tobacco Grower (Potash from Sulfate)	Manufacturer
		Guaranteed
3595	Rasin's Blue Grass Tobacco Grower	Manufacturer
		Guaranteed
3596	Rasin's Tobacco and Truck	Manufacturer
		Guaranteed
3597	Rasin's Tobacco Plant Food	Manufacturer
		Guaranteed
	Read Phosphate Co., Nashville, Tenn.	
3008	Red Diamond Special 2-8-8	Manufacturer
		Guaranteed
3954	Red Diamond 2-8-8	J. H. Jasper, West Somerset
4219		Cumberland Fruit Co., Middlesboro
		Guaranteed
3956	†Red Diamond 2-8-5	McChesney and Thompson, Trenton
4220		O. M. Holloway, Sedalia
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH			
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate	Index of Relative Value	Station Number
		16.35						19.6	3513
		16.00						*19.2*	
		24.50						29.4	3514
		24.00						*28.8*	
1.83	2.12	12.85				1.36	0.68	30.4	3516
	2.00	*12.00*				*2.00*		*28.4*	
		17.00						20.4	3952
		16.00						*19.2*	
		20.35						24.4	3518
		20.00						*24.0*	
		25.30						30.4	3519
		24.00						*28.8*	
		11.10				4.44		22.0	3520
		10.00				*4.00*		*19.8*	
1.94	2.17	11.35				1.68	0.60	28.6	3953
	2.00	*10.00*				*2.00*		*25.4*	
1.77	2.03	12.05				2.48		29.2	4217
	2.00	*12.00*				*2.00*		*28.4*	
3.18	3.18	10.55				3.38		32.6	3523
	3.00	*10.00*				*3.00*		*30.6*	
3.00	3.00	11.60				4.21		34.5	3524
	3.00	*12.00*				*4.00*		*34.8*	
2.51	2.51	7.75				0.72	3.50	27.8	4218
	2.00	*8.00*					*4.00*	*26.0*	
3.10	3.10	9.10					6.08	35.2	3526
	3.00	*8.00*					*6.00*	*33.0*	
5.81	5.81	8.80				6.49		44.2	3595
	6.00	*8.00*				*6.00*		*43.2*	
3.10	3.10	8.55				6.23		32.7	3596
	3.00	*8.00*				*6.00*		*31.2*	
3.17	3.17	12.05						30.8	3597
	3.00	*11.00*						*28.5*	
2.02	2.64	10.40					10.51	41.9	3008
	2.00	*8.00*					*8.00*	*32.0*	
1.30	1.86	9.10				7.92	0.75	31.7	3954
1.24	1.75	7.90				7.41		27.7	4219
	2.00	*8.00*				*8.00*		*29.6*	
1.44	1.97	9.20				4.97		27.6	3956
1.73	2.01	8.55				5.66		27.7	4220
	2.00	*8.00*				*5.00*		*26.0*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Read Phosphate Co., Nashville, Tenn.—Cont.	
3011	Red Diamond 3-8-6	Manufacturer
		Guaranteed
4221	Old Kentucky Tobacco Grower 3-8-6	Cumberland Fruit Co., Middlesboro
4222		Mayfield Milling Co., Mayfield
		Guaranteed
4223	Red Diamond Blood and Bone No. 1, 2-10-2	Cumberland Fruit Co., Middlesboro
4318		J. H. Jasper, West Somerset
		Guaranteed
3957	Red Diamond 3-10-3	G. M. Stevenson, Columbia
		Guaranteed
3015	Red Diamond Tobacco Special 3-10-3	Manufacturer
		Guaranteed
3958	Red Diamond 2-10-3	J. H. Jasper, W. Somerset
4319		J. H. Jasper, W. Somerset
		Guaranteed
3959	Red Diamond 4-16-4	G. M. Stevenson, Columbia
4320		J. H. Jasper, W. Somerset
		Guaranteed
3018	Red Diamond 2-12-4	Manufacturer
		Guaranteed
3960	Red Diamond Premium Grain Grower 2-12-2	J. H. Jasper, W. Somerset
		Guaranteed
3961	Red Diamond 2-16-2	J. H. Jasper, W. Somerset
		Guaranteed
3962	Red Diamond High Grade Potash Mixture	J. H. Jasper, W. Somerset
3963		Charles Routte, Hodgenville
3964		G. M. Stevenson, Columbia
4321		J. H. Jasper, W. Somerset
		Guaranteed
3965	Red Diamond 16% Superphosphate	J. H. Jasper, W. Somerset
3966		G. M. Stevenson, Columbia
3967		Cayce-Yost Co., Pembroke
4224		Marion Milling Co., Marion
4322		Barren County Grocery and Hardware Co., Glasgow
4323		J. H. Jasper, W. Somerset
4371		Vick Smith, Bowling Green
4372		Hughes and Tiffany, Franklin
		Guaranteed
3968	Red Diamond 18% Superphosphate	Charles Routte, Hodgenville
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.53	2.91	9.50				7.39		34.8	3011
	3.00	*8.00*				*6.00*		*31.2*	
2.37	2.78	8.70				6.24		31.7	4221
2.30	2.71	9.50				3.28	3.16	33.8	4222
	3.00	*8.00*					*6.00*	*33.0*	
0.98	2.01	10.20				2.60		26.5	4223
1.11	1.85	11.20				2.82		27.6	4318
	2.00	*10.00*				*2.00*		*25.4*	
2.33	2.96	10.70				3.57		32.2	3957
	3.00	*10.00*				*3.00*		*30.6*	
3.41	3.68	12.10					3.98	38.8	3015
	3.00	*10.00*					*3.00*	*31.5*	
1.13	1.86	10.95				3.85		28.5	3958
0.96	1.72	11.55				3.01		27.8	4319
	2.00	*10.00*				*3.00*		*26.6*	
2.86	4.02	16.05				4.02		45.0	3959
3.26	3.55	16.05				3.80		42.8	4320
	4.00	*16.00*				*4.00*		*44.8*	
1.78	2.26	13.95				5.73		36.9	3018
	2.00	*12.00*				*4.00*		*30.8*	
1.29	2.09	12.10				2.36		29.3	3960
	2.00	*12.00*				*2.00*		*28.4*	
2.05	2.28	15.95				2.44		36.0	3961
	2.00	*16.00*				*2.00*		*34.4*	
		10.15				3.98		20.0	3962
		10.40				4.33		20.8	3963
		10.40				4.23		20.7	3964
		10.20				4.37		20.5	4321
		10.00				*4.00*		*19.8*	
		17.05						20.5	3965
		17.85						21.4	3966
		18.00						21.6	3967
		17.60						21.1	4224
		17.20						20.7	4322
		17.50						21.0	4323
		17.40						20.9	4371
		17.80						21.4	4372
		16.00						*19.2*	
		19.00						22.8	3968
		18.00						*21.6*	

TABLE 1.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Read Phosphate Co., Nashville, Tenn.—Cont.	
4324	Red Diamond 20% Superphosphate	J. H. Jasper, W. Somerset
		Guaranteed
3025	Raw Bone Meal	Manufacturer
		Guaranteed
3969	Nitrate of Soda	Charles Routte, Hodgenville
		Guaranteed
3028	Red Diamond 4-12-4 (Muriate)	Manufacturer
		Guaranteed
3029	Red Diamond 4-12-4 (Sulphate)	Manufacturer
		Guaranteed
3030	Red Diamond 32% Superphosphate	Manufacturer
		Guaranteed
	The Smith Agricultural Chemical Co., Columbus, O.	
3047	Sacco Plant Food	Manufacturer
		Guaranteed
3048	Wedo	Manufacturer
		Guaranteed
	Southern Fertilizer Co., Inc., Louisville, Ky.	
3690	Elk General Crop Grower	Manufacturer
		Guaranteed
3691	Elk Special Tobacco Grower	Manufacturer
		Guaranteed
3692	Elk Tobacco and Potato Grower	Manufacturer
		Guaranteed
3693	Atlas Superphosphate	Manufacturer
		Guaranteed
3694	Superior Superphosphate	Manufacturer
		Guaranteed
	Swift and Company, Fertilizer Works, St. Louis, Mo.	
3360	Swift's Red Steer 8-24-8	Manufacturer
		Guaranteed
3362	Swift's Red Steer 4-16-4	Manufacturer
		Guaranteed
3363	Swift's Red Steer 4-12-4	Manufacturer
		Guaranteed
3971	Swift's Red Steer 4-10-6 Tobacco Grower	Baughman Milling Co., Stanford
4227		Millersburg Coal and Lumber Co., Millersburg
		Guaranteed
3972	Swift's Red Steer 4-8-4	Baughman Milling Co., Stanford
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		21.55						25.9	4324
		20.00						*24.0*	
	4.17		21.75	63	37			38.4	3025
	3.70		*20.00*					*34.8*	
	15.68							62.7	3969
	15.00							*60.0*	
4.78	5.08	14.90				5.76		49.6	3028
	4.00	*12.00*				*4.00*		*38.8*	
3.65	4.71	14.30				0.72	4.58	48.0	3029
	4.00	*12.00*					*4.00*	*40.0*	
		37.10						44.5	3030
		32.00						*38.4*	
3.95	4.31	11.25				4.95		40.1	3047
	4.00	*12.00*				*4.00*		*38.8*	
5.96	8.04	5.20				3.86		44.6	3048
	8.00	*5.00*				*3.00*		*43.1*	
2.30	2.30	12.75				2.75		31.6	3690
	2.00	*12.00*				*2.00*		*28.4*	
1.63	2.08	8.50					4.26	27.5	3691
	2.00	*8.00*					*4.00*	*26.0*	
2.39	3.14	8.70				0.72	5.91	35.3	3692
	3.00	*8.00*					*6.00*	*33.0*	
		16.40						19.7	3693
		16.00						*19.2*	
		21.25						25.5	3694
		20.00						*24.0*	
7.74	8.94	24.15				7.39		78.6	3360
	8.00	*24.00*				*8.00*		*77.6*	
4.20	4.20	17.60				4.46		48.6	3362
	4.00	*16.00*				*4.00*		*44.8*	
4.42	4.42	11.95				4.71		41.3	3363
	4.00	*12.00*				*4.00*		*38.8*	
3.98	3.98	10.55				1.12	5.09	39.2	3971
3.78	3.78	10.90					5.82	40.2	4227
	4.00	*10.00*					*6.00*	*40.0*	
4.21	4.21	9.10				4.95		36.4	3972
	4.00	*8.00*				*4.00*		*32.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Swift and Company, Fertilizer Works, St. Louis, Mo.—Cont.	
3367	Swift's Red Steer 3-12-4	Manufacturer
		Guaranteed
3973	Swift's Red Steer 3-8-6 (Sulfate)	Baughman Milling Co., Stanford
		Guaranteed
4228	Red Steer 3-8-6 (Muriate)	Byrley Supply Co., Pineville
		Guaranteed
3370	Swift's Red Steer 2-12-6	Manufacturer
		Guaranteed
3974	Swift's Red Steer 2-12-2	E. M. Cain, Somerset
		Guaranteed
3372	Swift's Red Steer 0-14-6	Manufacturer
		Guaranteed
4229	Swift's Red Steer 16% Superphosphate	Byrley Supply Co., Pineville
		Guaranteed
3975	Swift's Red Steer 20% Superphosphate	Banks Hudson, Danville
3976		Baughman Milling Co., Stanford
		Guaranteed
3375	Swift's Red Steer 45% Superphosphate	Manufacturer
		Guaranteed
3376	Swift's Steamed Bone Fertilizer	Manufacturer
		Guaranteed
3377	Swift's Raw Bone Fertilizer	Manufacturer
		Guaranteed
3378	Swift's Nitrate of Soda	Manufacturer
		Guaranteed
3379	Swift's Sulfate of Ammonia	Manufacturer
		Guaranteed
3380	Swift's Muriate of Potash	Manufacturer
		Guaranteed
3381	Swift's Sulphate of Potash	Manufacturer
		Guaranteed
3382	Swift's Vigoro	Manufacturer
		Guaranteed
	Tennessee Corporation,	**Lockland, O.**
3269	Loma	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.67	3.11	12.77				4.37		36.8	3367
	3.00	*12.00*				*4.00*		*34.8*	
3.06	3.06	8.70				0.96	5.29	34.4	3973
	3.00	*8.00*					*6.00*	*33.0*	
3.01	3.01	9.15				6.07		33.1	4228
	3.00	*8.00*				*6.00*		*31.2*	
2.13	2.13	12.52				6.48		35.1	3370
	2.00	*12.00*				*6.00*		*33.2*	
2.09	2.09	12.25				2.29		29.5	3974
	2.00	*12.00*				*2.00*		*28.4*	
		15.10				6.75		30.8	3372
		14.00				*6.00*		*28.2*	
		16.65						20.0	4229
		16.00						*19.2*	
		20.85						25.0	3975
		21.60						25.9	3976
		20.00						*24.0*	
		45.30						54.5	3375
		45.00						*54.0*	
	1.62		31.65	89	11			38.1	3376
	1.00		*29.00*					*33.0*	
	4.26		24.20	100				40.2	3377
	3.70		*23.00*					*37.8*	
	16.00							64.0	3378
	15.00							*60.0*	
	20.76							83.0	3379
	20.75							*83.0*	
						51.80		62.2	3380
						50.00		*60.0*	
						3.76	45.12	72.2	3381
							48.00	*72.0*	
4.01	4.35	13.80				4.55		43.6	3382
	4.00	*12.00*				*4.00*		*38.8*	
4.90	5.23	11.25				4.38		43.1	3269
	5.00	*10.00*				*4.00*		*39.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Tennessee Chem. Co., (Armour owned)	**Louisville, Cincinnati, Nashville.**
3977	Ox 16% Superphosphate	W. C. Grainger, Franklin
4230		Townsend Bros., Poole
4373		V. B. Nuckols, Elkton
4374		Young Hardware Co., Hopkinsville
4375		W. C. Grainger, Franklin
		Guaranteed
3250	Ox 20% Superphosphate	Manufacturer
		Guaranteed
3251	Ox 2-10-2 Fertilizer	Manufacturer
		Guaranteed
3252	Ox 4-12-4 Fertilizer	Manufacturer
		Guaranteed
4231	Ox 4-16-4 Fertilizer	J. M. Dawson, Philpot
		Guaranteed
3978	†Ox 4-12-8 Fertilizer	Finley Hardware Co., Madisonville
4232		J. J. Shaver and Co., Mayfield
		Guaranteed
3255	Ox 3-10-3 Fertilizer	Manufacturer
		Guaranteed
3256	Ox 3-8-6 Fertilizer	Manufacturer
		Guaranteed
3257	Ox 2-12-10 Fertilizer	Manufacturer
		Guaranteed
3258	Ox 0-10-4 Fertilizer	Manufacturer
		Guaranteed
3979	Ox Old Black Joe 2-10-4	W. C. Grainger, Franklin
3980		P. A. Blackwell and Co., Henderson
4376		Young Hardware Co., Hopkinsville
4377		W. C. Grainger, Franklin
		Guaranteed
3260	Ox Raw Bone 3.70-22-0	Manufacturer
		Guaranteed
3261	Ox Bone Meal 2.50-24-0	Manufacturer
		Guaranteed
3262	Ox Nitrate of Soda	Manufacturer
		Guaranteed
3263	Ox Muriate of Potash	Manufacturer
		Guaranteed
4234	Ox Guano 2-10-4	J. J. Shaver and Co., Mayfield
		Guaranteed
4271	Ox 16% Lime Phosphate	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		16.85						20.2	3977
		15.95						19.1	4230
		16.35						19.6	4373
		16.00						19.2	4374
		15.90						19.1	4375
		16.00						*19.2*	
		22.30						26.8	3250
		20.00						*24.0*	
2.26	2.26	11.30				2.68		29.2	3251
	2.00	*10.00*				*2.00*		*25.4*	
4.18	4.18	13.30				4.66		42.3	3252
	4.00	*12.00*				*4.00*		*38.8*	
4.04	4.04	16.85				4.09		46.4	4231
	4.00	*16.00*				*4.00*		*44.8*	
4.12	4.12	12.30				8.05		44.6	3978
3.94	3.94	12.40				8.06		44.0	4232
	4.00	*12.00*				*8.00*		*43.6*	
3.21	3.21	10.95				3.63		33.6	3255
	3.00	*10.00*				*3.00*		*30.6*	
3.19	3.19	8.65				6.62		33.7	3256
	3.00	*8.00*				*6.00*		*31.2*	
2.51	2.51	12.40				10.74		41.5	3257
	2.00	*12.00*				*10.00*		*38.0*	
		10.95				4.52		21.9	3258
		10.00				*4.00*		*19.8*	
1.81	2.15	10.65				4.07		29.5	3979
1.71	2.05	11.30				4.54		30.6	3980
1.70	1.97	9.70				3.99		27.2	4376
1.69	1.98	10.35				4.08		28.4	4377
	2.00	*10.00*				*4.00*		*27.8*	
	3.67		23.25	100				37.9	3260
	3.70		*22.00*					*36.8*	
	2.69		26.50	100				37.3	3261
	2.50		*24.00*					*34.0*	
	16.08							64.3	3262
	15.00							*60.0*	
						50.28		60.3	3263
						48.00		*57.6*	
2.16	2.16	10.40				3.99		29.0	4234
	2.00	*10.00*				*4.00*		*27.8*	
		15.90						19.1	4271
		16.00						*19.2*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Virginia-Carolina Chem. Corp., Richmond, Va.	
3049	Bloom Aid	Manufacturer
		Guaranteed
3050	V-C Fairway Fertilizer	Manufacturer
		Guaranteed
	Virginia-Carolina Chem. Corp., Inc., Cincinnati, O.	
3482	V-C Phospho Tobacco 16%	Manufacturer
		Guaranteed
3483	V-C Phospho Tobacco 24%	Manufacturer
		Guaranteed
3484	V-C Potash Phospho Tobacco 0-10-10	Manufacturer
		Guaranteed
3485	V-C Potash Phospho Tobacco 0-14-4	Manufacturer
		Guaranteed
4235	V-C Ammoniated Phospho Tobacco 2-12-2	Sturgis Implement and Hardware Co., Sturgis
4236		A. M. McConnell, Marion
4392		Vine Grove Feed Co., Vine Grove
		Guaranteed
3487	V-C Ammoniated Phospho Tobacco 2-12-6	Manufacturer
		Guaranteed
3488	V-C Ammoniated Phospho Tobacco 3-12-4	Manufacturer
		Guaranteed
3981	V-C Superphosphate 16%	F. M. Mitchell, Scottsville
3982		Estes and Hines, Science Hill
3983		F. C. Walker, Columbia
3984		Vine Grove Feed Co., Vine Grove
4237		W. S. Smith, Sebree
4325		Skidmore Hardware Co., Elizabethtown
4326		M. G. Parman, London
4327		Farmers Union Supply Co., Glasgow
4328		L. W. Jones, Russell Springs
		Guaranteed
3985	V-C Superphosphate 20%	F. C. Walker, Columbia
4238		Aaron L. Moore, Leitchfield
		Guaranteed
3491	V-C Superphosphate 24%	Manufacturer
		Guaranteed
3492	V-C Concentrated Superphosphate 44%	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
3.01	5.24	11.10				4.31		42.8	3049
	5.00	*10.00*				*4.00*		*39.8*	
4.98	6.50	6.55				5.30		42.2	3050
	6.00	*6.00*				*5.00*		*39.0*	
		16.35						19.6	3482
		16.00						*19.2*	
		24.50						29.4	3483
		24.00						*28.8*	
		10.20				10.69		28.1	3484
		10.00				*10.00*		*27.0*	
		14.05				4.01		25.9	3485
		14.00				*4.00*		*25.8*	
2.19	2.19	13.15				2.17		31.1	4235
1.78	2.03	13.35				2.08		30.7	4236
1.81	2.05	13.85				2.42		31.9	4392
	2.00	*12.00*				*2.00*		*28.4*	
2.10	2.10	11.55				6.57		33.6	3487
	2.00	*12.00*				*6.00*		*33.2*	
2.65	2.91	12.75				3.99		35.6	3488
	3.00	*12.00*				*4.00*		*34.8*	
		17.15						20.6	3981
		17.15						20.6	3982
		16.25						19.5	3983
		17.65						21.2	3984
		17.90						21.5	4237
		17.15						20.6	4325
		17.20						20.6	4326
		16.10						19.3	4327
		16.25						19.5	4328
		16.00						*19.2*	
		20.45						24.5	3985
		21.60						25.9	4238
		20.00						*24.0*	
		25.30						30.4	3491
		24.00						*28.8*	
		44.20						53.0	3492
		44.00						*52.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Virginia-Carolina Chem. Corp., Inc., Cincinnati, O.—Cont.	
3986	V-C Capitol Phosphate and Potash 0-10-4	F. C. Walker, Columbia
4239		Earl Masters, Olive Hill
4240		Aaron L. Moore, Leitchfield
4329		Walter McKenzie, Eubank
		Guaranteed
3494	V-C Plow Brand 0-10-10	Manufacturer
		Guaranteed
3495	V-C Prolific Crop Grower 0-14-4	Manufacturer
		Guaranteed
3987	V-C Tobacco Special 2-8-4 (Potash from Sulphate)	Walter McKenzie, Eubank
3988		Ross and Harlin, Tompkinsville
3989		F. C. Walker, Columbia
4241		Jones and Ralph, Hartford
		Guaranteed
3497	V-C Blue Grass Tobacco and Wheat 2-8-8	Manufacturer
		Guaranteed
3999	V-C Beef, Blood and Bone BBB 2-10-2	L. A. Collins, Lebanon
4242		Cole Wholesale Co., Pineville
4243		Aaron L. Moore, Leitchfield
4330		L. W. Jones, Russell Springs
		Guaranteed
3991	V-C Corn and Wheat Grower 2-10-2	Walter McKenzie, Eubank
3992		F. C. Walker, Columbia
4331		M. G. Parman, London
4332		Walter McKenzie, Eubank
		Guaranteed
3500	V-C Owl Brand 2-12-2	Manufacturer
		Guaranteed
3993	V-C Farmer's Friend 2-12-6	Ross and Harlin, Tompkinsville
4244		J. K. Butcher and Co., Paintsville
		Guaranteed
3502	V-C Quality Crop Grower 2-14-4	Manufacturer
		Guaranteed
3994	V-C Tobacco and Truck 3-8-6	L. A. Collins, Lebanon
3995		T. H. O'Bryan, Dawson Springs
3996		Farmers Supply Co., Danville
3997		Ross and Harlin, Tompkinsville
		Guaranteed
4245	V-C Quality Tobacco Grower 3-8-6 (Potash from Sulfate)	M. G. Parman, London
4246		Craig's Feed Store, Owensboro
4247		Dawson and Johnson, Owingsville
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		11.20				3.76		21.3	3986
		10.60				4.15		20.9	4239
		11.90				4.70		23.5	4240
		11.85				4.62		23.3	4329
		10.00				*4.00*		*19.8*	
		11.15				10.00		28.7	3494
		10.00				*10.00*		*27.0*	
		13.80				4.23		25.8	3495
		14.00				*4.00*		*25.8*	
2.22	2.22	9.25				1.76	2.59	28.8	3987
1.60	2.23	10.00				0.64	3.60	30.1	3988
1.60	2.01	10.05				0.64	2.69	27.9	3989
1.75	2.16	9.35				1.28	2.54	28.0	4241
	2.00	*8.00*					*4.00*	*26.0*	
1.91	2.11	8.65				8.12		31.2	3497
	2.00	*8.00*				*8.00*		*29.6*	
1.62	1.90	10.20				2.37		25.7	3990
2.10	2.33	10.15				2.45		27.5	4242
1.69	2.00	10,65				2.06		26.5	4243
1.74	1.97	11.30				2.38		27.7	4330
	2.00	*10.00*				*2.00*		*25.4*	
1.69	1.89	11.00				2.57		27.1	3991
1.83	2.14	10.95				2.21		27.6	3992
1.80	2.17	10.70				2.45		27.7	4331
1.69	1.93	10.45				2.66		26.6	4332
	2.00	*10.00*				*2.00*		*25.4*	
1.85	2.05	12.30				2.17		29.3	3500
	2.00	*12.00*				*2.00*		*28.4*	
2.13	2.13	13.10				6.79		36.3	3993
1.82	2.09	12.60				6.00		34.5	4244
	2.00	*12.00*				*6.00*		*33.2*	
1.98	1.98	13.50				4.06		33.0	3502
	2.00	*14.00*				*4.00*		*33.8*	
2.58	2.83	8.80				5.77		31.4	3994
2.84	2.84	10.25				5.63		33.5	3995
2.97	2.97	8.75				5.96		32.2	3996
3.06	3.27	8.65				5.92		33.2	3997
	3.00	*8.00*				*6.00*		*31.2*	
2.79	2.99	9.25				0.72	5.29	33.1	4245
2.37	3.01	9.40				0.88	5.08	34.8	4246
2.88	2.88	9.25				0.88	5.21	34.3	4247
	3.00	*8.00*					*6.00*	*33.0*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Virginia-Carolina Chem. Corp., Inc., Cincinnati, O.—Cont.	
3998	V-C Black Patch Tobacco Grower 3-10-3	R. T. Kirkman, Elkton
		Guaranteed
3999	V-C Tobacco Plant Food 3-11-0	Ross and Harlin, Tompkinsville
4000		Farmers Supply Co., Danville
		Guaranteed
4248	V-C Big Potato and Truck 3-12-4	Moore Hardware Co., Louisa
4249		Pleasant Evans, Berea
4250		Sturgis Implement and Hardware Co., Sturgis
		Guaranteed
4001	V-C Burley Tobacco Grower 4-10-6	Farmers Supply Co., Danville
4002		Ross and Harlin, Tompkinsville
		Guaranteed
4003	V-C Tomato and Truck Special 4-12-4	Clem Keltner, Campbellsville
4251		Craig's Feed Store, Owensboro
		Guaranteed
3510	V-C Super 24 Fertilizer 4-16-4	Manufacturer
		Guaranteed
3512	V-C Pure Bone Meal (Steamed) 1-29-0	Manufacturer
		Guaranteed
4004	Mt. Pleasant Superphosphate 16%	Farm Bureau Supply Co., Elizabethtown
4005		Rupert Devasher, Glasgow
4006		Hagan, Landrum, Cook Co., Tompkinsville
4333		Rupert Devasher, Glasgow
4334		Farm Bureau Supply Co., Elizabethtown
		Guaranteed
3528	Mt. Pleasant Superphosphate 20%	Manufacturer
		Guaranteed
3529	Mt. Pleasant Phosphate and Potash	Manufacturer
		Guaranteed
4335	Mt. Pleasant Corn and Wheat Grower	Farm Bureau Supply Co., Elizabethtown
		Guaranteed
3531	Mt. Pleasant Springfall Fertilizer	Manufacturer
		Guaranteed
3532	Mt. Pleasant Quality Crop Grower	Manufacturer
		Guaranteed
3533	Mt. Pleasant Tobacco Special (Potash from Sulphate)	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
3.25	3.25	10.50				3.51		33.0	3998
	3.00	*10.00*				*3.00*		*30.6*	
2.96	2.96	12.60						30.7	3999
2.82	3.07	12.65						31.3	4000
	3.00	*11.00*						*28.5*	
2.84	3.04	12.20				4.21		35.5	4248
2.83	3.04	12.20				4.07		35.3	4249
2.94	2.94	13.05				4.10		36.3	4250
	3.00	*12.00*				*4.00*		*34.8*	
4.01	4.01	10.35				5.69		38.4	4001
3.85	4.09	11.15				5.64		39.9	4002
	4.00	*10.00*				*6.00*		*38.2*	
4.14	4.36	12.00				5.14		41.6	4003
3.59	3.82	12.75				4.91		40.3	4251
	4.00	*12.00*				*4.00*		*38.8*	
4.13	4.13	16.80				4.18		46.7	3510
	4.00	*16.00*				*4.00*		*44.8*	
	1.05		31.90	77	23			36.1	3512
	1.00		*29.00*					*33.0*	
		16.65						20.0	4004
		16.75						20.1	4005
		17.05						20.5	4006
		16.30						19.6	4333
		16.25						19.5	4334
		16.00						*19.2*	
		20.35						24.4	3528
		20.00						*24.0*	
		11.10				4.44		22.0	3529
		10.00				*4.00*		*19.8*	
1.74	1.97	11.85				2.39		28.5	4335
	2.00	*10.00*				*2.00*		*25.4*	
1.85	2.05	12.30				2.17		29.3	3531
	2.00	*12.00*				*2.00*		*28.4*	
1.98	1.98	13.50				4.06		33.0	3532
	2.00	*14.00*				*4.00*		*33.8*	
2.31	2.31	9.25				0.72	3.40	29.1	3533
	2.00	*8.00*					*4.00*	*26.0*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Virginia-Carolina Chem. Corp., Inc., Cincinnati, O.—Cont.	
3534	Mt. Pleasant Light Burley Tobacco Grower	Manufacturer
		Guaranteed
3535	Mt. Pleasant Tobacco and Truck Grower	Manufacturer
		Guaranteed
4007	Mt. Pleasant Black Patch Tobacco Grower	Farm Bureau Supply Co., Elizabethtown
		Guaranteed
3537	Mt. Pleasant Truck Grower	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
3.10	3.10	8.55				6.23		32.7	3534
	3.00	*8.00*				*6.00*		*31.2*	
3.10	3.10	8.55				6.23		32.7	3535
	3.00	*8.00*				*6.00*		*31.2*	
2.41	2.69	10.55				3.78		31.1	4007
	3.00	*10.00*				*3.00*		*30.6*	
4.13	4.13	16.80				4.18		46.7	3537
	4.00	*16.00*				*4.00*		*4.48*	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The American Agricultural Chem. Co., Inc., Cincinnati, O.	
4049	†A. A. Basic Lime Phosphate	Redmans Farmers, Williamsburg
		Guaranteed
	Armour Fertilizer Works, Louisville, Cincinnati, Nashville.	
4073	†Big Crop 4-12-8 Fertilizer	Beaver Dam Mnfg. and Supply Co., Beaver Dam
4074		J. Stotz, Greenville
		Guaranteed
	The Buhner Fertilizer Co., Seymour, Ind.	
3283	Buhner's Kentucky Burley Tobacco Grower 5-10-5	Manufacturer
		Guaranteed
3290	Buhner's High Grade Tobacco Grower (3-8-6) Sulphate	Manufacturer
		Guaranteed
4292	†Buhner's Grain Grower 2-10-2	Pedigo and Harris, Eli
		Guaranteed
3299	Buhner's Steam Bone	Manufacturer
		Guaranteed
3800	Buhner's Tankage and Potash Mixture	J. W. Faulkner, Campbellsville
		Guaranteed
	The Consolidated Chem. Co., Louisville, Ky.	
3119	Camel Brand Raw Bone	Manufacturer
		Guaranteed
	Farmers Supply Co., Inc., Lexington, Ky.	
4099	Farmo 12-24-12	Manufacturer's warehouse
		Guaranteed
	Federal Chemical Co., Inc., Louisville, Ky.	
3825	†Special Tobacco and Potato Grower	Clem Keltner, Campbellsville
4346		L. F. Thurmond, Murray
		Guaranteed
4113	†High Grade Truck and Tobacco	Ballard Mercantile Co., Wickliffe
4114		West Liberty Grocery Co., West Liberty
		Guaranteed
4116	4-8-12 Fertilizer	A. B. Beale and Son, Murray
		Guaranteed
3829	†20% Superphosphate	T. Z. Leachman, Greensburg
		Guaranteed

TABLE II.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		13.10						**15.7**	4049
		14.00						*16.8*	
3.65	**3.65**	**13.75**				**6.98**		**43.6**	4073
3.41	**3.41**	**12.50**				**8.35**		**42.4**	4074
	4.00	*12.00*				*8.00*		*43.6*	
2.73	**3.95**	**11.65**				**4.47**		**38.6**	3283
	5.00	*10.00*				*5.00*		*41.0*	
2.24	**2.95**	**9.95**				**4.08**	**0.50**	**32.3**	3290
	3.00	*8.00*					*6.00*	*33.0*	
0.87	**1.66**	**9.80**				**2.38**		**24.2**	4292
	2.00	*10.00*				*2.00*		*25.4*	
	1.79		**27.90**	**63**	**37**			**35.1**	3299
	2.40		*24.00*					*33.6*	
0.78	**2.85**	**11.40**				**3.41**		**32.6**	3800
	3.00	*16.00*				*3.00*		*31.6*	
	3.18		**23.95**	**53**	**47**			**36.7**	3119
	3.71		*22.00*					*36.8*	
10.52	**10.80**	**24.20**				**7.12**	**4.67**	**95.1**	4099
	12.00	*24.00*				*6.00*	*6.00*	*100.2*	
2.10	**2.74**	**7.50**				**5.37**		**28.7**	3825
1.71	**2.27**	**10.45**				**4.88**		**30.6**	4346
	3.00	*8.00*				*6.00*		*31.2*	
2.50	**2.89**	**8.45**				**5.80**		**31.2**	4113
3.04	**3.36**	**7.05**				**5.14**		**30.2**	4114
	4.00	*8.00*				*4.00*		*32.8*	
3.49	**4.01**	**8.95**				**10.05**		**41.5**	4116
	4.00	*8.00*				*12.00*		*42.4*	
		18.90						**22.7**	3829
		20.00						*24.0*	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Globe Fertilizer Co., Br. Federal	**Chem. Co., Inc., Louisville, Ky.**
4134	†Eagle Corn and Wheat Grower	Williamsburg Hardware Co., Williamsburg
		Guaranteed
	Hopkins Fertilizer Co.,	**New Albany, Ind.**
3862	Hopkins Old Time Steamed Bone 3-27-0	J. H. Jasper, West Somerset
		Guaranteed
4359	Hopkins Old Time Steamed Bone 3-25-0	Hall Seed Co., Louisville
		Guaranteed
	International Agricultural Corp.,	**Cincinnati, O.**
3876	International Strawberry Fertilizer	Eubank Hardware Co., Eubank
		Guaranteed
	Joslin-Schmidt Corporation	**(Groves Fert. Works) Cincinnati, O.**
3879	Square Brand 4-24-4	G. M. Hedrick, Monticello
		Guaranteed
	Knoxville Fertilizer Co.,	**Knoxville, Tenn.**
3899	Knox Home Grower	Vick Smith, Bowling Green
3900		F. C. Walker, Columbia
		Guaranteed
3398	Bone Meal	Manufacturer
		Guaranteed
	National Chemical Co.,	**Louisville, Ky.**
3456	Big Pay 2-16-2 Fertilizer	Manufacturer
		Guaranteed
4196	†Big Pay Special Tobacco and Potato Fertilizer 3-8-6	E. A. Cohen, Greenville
		Guaranteed
3460	Big Pay Extra Special Tobacco Grower 3-8-10	Manufacturer
		Guaranteed
3466	Big Pay 4-16-4 Fertilizer	Manufacturer
		Guaranteed
3914	†Big Pay 16% Superphosphate	E. S. Ferrill and Sons, Buffalo
		Guaranteed
3480	Big Pay Steamed Bone 1-30-0	Manufacturer
		Guaranteed
	North American Fertilizer Co.,	**Inc., Louisville, Ky.**
3410	No. Amer. 2-16-2 Fertilizer	Manufacturer
		Guaranteed

TABLE II.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.04	2.53	**9.00**				1.68	0.76	26.8	4134
	2.00	*10.00*				*2.00*		*25.4*	
	2.48		**25.60**	78	22			**35.5**	3862
	3.00		*27.00*					*39.0*	
	3.52		22.95	66	34			36.8	4359
	3.00		*25.00*					*37.0*	
4.24	4.72	9.95				**1.36**	**1.57**	**37.8**	3876
	4.00	*10.00*					*7.00*	*41.5*	
2.89	**3.13**	**22.10**				**3.40**		**49.8**	3379
	4.00	*24.00*				*4.00*		*56.8*	
4.03	4.37	12.35				**4.32**		41.2	3899
4.00	4.36	11.80				**4.34**		40.4	3900
	4.00	*8.00*				*8.00*		*37.6*	
	3.76		**18.80**	65	35			33.8	3398
	3.70		*20.00*					*34.8*	
2.92	2.92	18.55				**0.43**		40.0	3456
	2.00	*16.00*				*2.00*		*34.4*	
2.89	3.15	9.85				**3.63**		31.7	4196
	3.00	*8.00*				*6.00*		*31.2*	
4.23	4.23	11.80				**0.72**	**6.09**	44.6	3460
	3.00	*8.00*					*10.00*	*39.0*	
3.74	4.26	**10.15**				12.12		46.8	3466
	4.00	*16.00*				*4.00*		*44.8*	
		14.65						**17.6**	3914
		16.00						*19.2*	
	1.67		**25.35**	82	18			**32.0**	3480
	1.00		*30.00*					*34.0*	
2.92	2.92	18.55				**0.43**		40.0	3410
	2.00	*16.00*				*2.00*		*34.4*	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	North American Fertilizer Co., Inc., Louisville, Ky.—Cont.	
3927	No. Amer. Extra Special Tobacco Grower 3-8-10	A. S. Miller, Magnolia
		Guaranteed
3930	No. Amer. 4-16-4 Fertilizer	O. E. Rippetoe, Russell Springs
3931		Grigsby and Co., Bardstown
		Guaranteed
4390	†No. Amer. 20% Superphosphate	S. E. Ray, Vine Grove
		Guaranteed
3430	No. Amer. Triple Superphosphate 45%	Manufacturer
		Guaranteed
3433	No. Amer. Steamed Bone 1.00-30-0	Manufacturer
		Guaranteed
3446	B. B. Bone Meal 1-30-0	Manufacturer
		Guaranteed
	The Price Chemical Co., Inc. Louisville, Ky.	
3938	Nitro Tobacco Grower	Skidmore Hardware Co., Elizabethtown
		Guaranteed
4369	†20% Superphosphate	Monarch Milling Co., Mt. Sterling
		Guaranteed
4370	†16% Superphosphate	Monarch Milling Co., Mt. Sterling
		Guaranteed
	Rasin-Monumental Co. (Sub. Va.-Car. Chem. Corp.), Cincinnati, O.	
3515	Rasin's Potash Phospho Tobacco 0-14-4	Manufacturer
		Guaranteed
	Read Phosphate Co., Nashville, Tenn.	
3955	†Red Diamond 2-8-5	Charles Routte, Hodgenville
		Guaranteed
4225	Red Diamond 4-12-8	O. M. Holloway, Sedalia
		Guaranteed
	Swift and Co., Fertilizer Works, St. Louis, Mo.	
3359	Swift's Red Steer 12-12-6	Manufacturer
		Guaranteed
3361	Swift's Red Steer 8-16-16	Manufacturer
		Guaranteed
3365	Swift's Red Steer 4-8-8	Manufacturer
		Guaranteed
	Tennessee Chemical Co. (Armour owned), Louisville, Cincinnati, Nashville.	
4233	†Ox 4-12-8 Fertilizer	Sexton Bros., Murray
		Guaranteed

TABLE II.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.51	3.01	8.05				5.76	3.46	36.2	3927
	3.00	*8.00*					*10.00*	*39.0*	
2.46	3.22	18.10				3.80		44.6	3930
3.03	4.00	15.10				4.01		43.5	3931
	4.00	*16.00*				*4.00*		*44.8*	
		18.95						22.7	4390
		20.00						*24.0*	
		43.70						52.4	3430
		45.00						*54.0*	
	1.67		25.35	82	18			32.0	3433
	1.00		*30.00*					*34.0*	
	1.67		25.35	82	18			32.0	3446
	1.00		*30.00*					*34.0*	
3.04	3.69	8.40				2.16	4.86	37.2	3938
	6.00	*8.00*				*6.00*		*43.2*	
		18.50						22.2	4369
		20.00						*24.0*	
		14.35						17.2	4370
		16.00						*19.2*	
		10.20				10.69		28.1	3515
		14.00				*4.00*		*25.8*	
0.66	1.09	8.30				5.14		23.0	3955
	2.00	*8.00*				*5.00*		*26.0*	
3.86	3.86	13.10				6.91		43.4	4225
	4.00	*12.00*				*8.00*		*43.6*	
10.88	10.88	12.05				6.69		69.6	3359
	12.00	*12.00*				*6.00*		*73.2*	
7.82	7.82	18.60				7.68	6.56	78.2	3361
	8.00	*16.00*				*16.00*		*75.2*	
2.76	3.22	10.15				7.06		36.6	3365
	4.00	*8.00*				*8.00*		*37.6*	
3.48	3.48	11.95				7.33		40.7	4233
	4.00	*12.00*				*8.00*		*43.6*	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Virginia-Carolina Chemical Corp., Inc., Cincinnati, Ohio.	
4252	V-C Kentucky Burley 6-8-6	A. T. Sanders, Lancaster
		Guaranteed
3721	V-C Black Special 2-8-4	Manufacturer
		Guaranteed
3722	V-C 4-8-10	Manufacturer
		Guaranteed

TABLE II.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
4.94	**5.14**	9.15				5.59		**41.0**	4252
	6.00	*8.00*				*6.00*		*43.2*	
1.30	**1.30**	10.00				**3.16**		24.0	3721
	2.00	*8.00*				*4.00*		*24.8*	
3.55	**3.55**	8.37				**9.18**		**37.8**	3722
	4.00	*8.00*				*10.00*		*40.0*	

INDEX

Page

Abortion in mares, apparently non-infectious 297
Alfalfa, fertilizers recommended for 264
Allen, H. R., and others, Bulletin 336 by 395
Amburgey, L. V., and others, Bulletin 330 by 173
Angular leaf-spot of tobacco 129
Bacteria of the genital tract of mares after abortion 328
after normal parturition 326
Blackfire of tobacco 133
Blackleg of tobacco 118
Black root-rot of tobacco 120
Bluegrass region, need for phosphate fertilizers in 260
Boyden, R. E., and others, Bulletin 335 by 357
Broomrape of tobacco 127
Brown root-rot of tobacco 123
Bulletin 326. Forestry in the economic life of Knott County 1– 39
Bulletin 327. Seed transmission of tobacco ringspot and two virus diseases 41–103
Bulletin 328. Tobacco diseases in Kentucky 105–154
Bulletin 329. Resistance of clover and alfalfa to leafhopper injury 155–172
Bulletin 330. Commercial feeds in Kentucky in 1931 173–214
Bulletin 331. Soils and fertilizer experiments at the Station farm, Lexington 215–265
Bulletin 332. Feeding experiments with steers 267–285
Bulletin 333. Infections of fetuses and foals 287–339
Bulletin 334. Effect of muriate and sulfate of potash on the quality of tobacco 341–356
Bulletin 335. The pH of fresh and storage eggs 357–394
Bulletin 336. Analyses of commercial fertilizers 395
Burning quality of tobacco 351
Chlorine content of tobacco 345
Clinical examination of mares after foaling 329
Clover, leafhopper injury and winter hardiness of 170
pubescence and resistance to leafhopper injury 168
Club-root of tobacco 126
Cold injury to tobacco 119
to tobacco seedlings 55

Commercial feeds, chemical standards for 186
fillers and adulterants of 178
in 1931, Bulletin 330 173
registration requirements 187
results of inspection in 1931 188
fertilizers, analyses of 397
Control of tobacco diseases, recommendations for 109
Corn, placement tests of fertilizers for 248
Corynebacterium equi, infection of foals with 320
Craig, Ronald B., Bulletin 326 by 5
Curtis, H. E., and others, Bulletin 336 by 395
Cucumbers a host of delphinium virus 86
Delphinium virus, classification of 87
cucumbers a host of 86
seed transmission of 87
transmission of, to tobacco 81
Dimock, W. W., and P. R. Edwards, Bulletin 333 by 287
Edwards, P. R., and W. W. Dimock, Bulletin 333 by 287
Eggs, fresh and storage, pH of, Bulletin 335 357
pH of whites and yolks 375
procedure for determining the hydrogen ion concentration of 362
Empoasca fabae, host preferences of 165
injury to clover and alfalfa by 157
Erikson, S. E., and others, Bulletin 335 by 357
Experiments with soils and fertilizers, Bulletin 331 215
Feeds, commercial, Bulletin 330 on 173
Fertilizer and soil experiments, Bulletin 331 215
Fertilizer, corn, placement tests of 248
recommended for alfalfa 264
recommended for tobacco 262
tobacco, placement tests of 251
tobacco, test of rate of application 253
top dressing with 265
Fertilizers, commercial, Bulletin 336 on 395
Foals bacteriologically negative 325
infection with colon-aerogenes bacteria 324
infection with corynebacterium equi 320
infection with Shigella equirulis 306
infection with streptococci 303
infections of, Bulletin 333 287
Forestry in the economic life of Knott County, Bulletin 326 5

Forest history of Knott County 17
income of farmers in Knott County 23
practice in Knott County 33
survey, methods used in Knott County 5
Forests of Knott County 10
Frenching of tobacco 115
Frogeye of tobacco 135
Fusarium wilt of tobacco 145
Gault, Lelah, and others, Bulletin 336 by 395
Good, E. S., and W. J. Harris, Bulletin 332 by 267
Grain crops, use of complete fertilizers for 261
Green ringspot of tobacco, seed transmission of 47
Harris, W. J., and E. S. Good, Bulletin 332 by 267
Hosts of tobacco ringspot 47
Houseburn of tobacco 150
Hydrogen ion concentration of eggs, Bulletin 335 on 357
procedure for determining 362
Infections of fetuses and foals, Bulletin 333 287
Insko, W. M., Jr., and others, Bulletin 335 by 357
Jewett, H. H., Bulletin 329 by 155
Johnson, E. M., and Valleau, W. D., Bulletin 328 by 105
Karraker, P. E., Bulletin 334 by 341
Kinney, E. J., and Geo. Roberts, Bulletin 331 by 215
Knott County, economic future of 36
forests of 10
forestry in the economic life of, Bulletin 326 5
forest history of 17
forest income of farmers in 23
forest practice in 33
land utilization in 8
marketing and milling of lumber in 20
methods of forest survey used in 5
ownership of land in 22
production of lumber and forest products in 19
public land acquisition in 32
Land utilization in Knott County 8
Leaf diseases of tobacco 129
Leaf edge symptom of ringspot 53
Leafhopper, distribution on clovers in the field 165
host preferences of 165
injury to red clovers and alfalfas 155
injury and winter hardiness of clover 170
production of nymphs on different clovers 165
Leaf scald of tobacco 135

Legumes, recommendations on the use of 258
Lightning injury to tobacco 146
Lime, drilling with small grain 254
Liming materials, recommendations on the use of 259
Lumber, marketing and milling of, in Knott County 20
production of, in Knott County 19
Martin, J. Holmes, and others, Bulletin 335 by 357
Manuring experiments at Lexington field 241
Manure, recommendations on the use of 258
Mosaic of tobacco 137
Muriate of potash, effect on tobacco, Bulletin 334 341
Nitrogen deficiency, effect on tobacco 114
Ovule sterility caused by ringspot virus 67
Ownership of land in Knott County 22
Phosphate fertilizers needed in the bluegrass region 260
Phosphorus deficiency, effect on tobacco 115
Physiological diseases of tobacco 114
Plant-bed diseases of tobacco 118
Pollen sterility and ringspot 69
Potash deficiency, effect on tobacco 115
Potatoes may be affected by tobacco ringspot 45
Public land acquisition in Knott County 32
Recommendations on soil management and use of fertilizers 257
Registration of commercial feeds 187
Resistance of red clovers and alfalfa to leafhopper injury 155
Ringspot of tobacco 141
economic importance of 66
leaf edge symptom of 53
may affect potatoes 45
other hosts of 47
seed tranmission of 43
two strains of 44
distribution of, thru tobacco seed 64
prevention of 66
virus causes ovule sterility 67
yellow and green, distribution of 63
yellow, seed transmission of 55
Roberts, Geo., and E. J. Kinney, Bulletin 331 by 215
Root diseases of tobacco 120
Root knot of tobacco 125
Rotation of crops, recommendations on 257
Rotation experiments at Lexington field 236
Rust of tobacco 133

Seed transmission of delphinium virus 87
of green ringspot of tobacco 47
of yellow ringspot of tobacco 55
Shigella equirulis, agglutinins for, in blood of dams 313
character of 316
habitat of 312
infection experiments with horses 315
infection of foals 306
pathogenicity of 315
recovery of, from genital tract of dams 313
sources of infection by 317
Soil and fertilizer experiments, Bulletin 331 215
Sore-shin of tobacco 148
Spears, H. D., and others, Bulletin 330 by 173
Speck spot of tobacco 145
Stalk-rot of tobacco 149
Streak of tobacco 143
Streptococci, characters of 305
Streptococci infection of fetuses 295
of foals 303
Sulfate of potash, effect on tobacco, Bulletin 334 341
Sulfur content of tobacco 347
Terrell, W. G., and others, Bulletin 330 by 173
Tobacco, angular leaf-spot of 129
blackfire of 133
blackleg of 118
black root-rot of 120
broomrape of 127
brown root-rot of 123
burning quality of 351
chlorine content of 345
club-root of 126
cold injury to 119
diseases in Kentucky, Bulletin 328 105
diseases, causes of 111
frenching 115
nitrogen deficiency 114
phosphorus deficiency 115
physiological 114
potash deficiency 115
recommendations for control of 109
relation of soil to 113
effect of muriate and sulfate of potash on, Bulletin 334 341
fertilizers recommended for 262

frogeye of 135
fusarium wilt of 145
host of delphinium virus 84
houseburn of 150
leaf scald of 135
lightning injury to 147
mosaic of 137
nitrate in water for transplanting 250
placement tests of fertilizers for 251
rate of application of fertilizer for 253
ringspot of 141
may affect potatoes 45
other hosts of 47
seed transmission of 43
sterility studies in 43
root knot of 125
rust of 133
seedlings, cold injury to 55
sore-shin of 148
stalk-rot of 149
streak of 143
sulfur content of 347
tests of fertilizers for 246
wildfire of 132
Top-dressing with fertilizers 265
Turner, J. D., and others, Bulletin 330 by 173
Valleau, W. D., Bulletin 327 by 41
and Johnson, E. M., Bulletin 328 by 105
Virus disease of delphinium and tobacco 81
of plum and peach 89
of tobacco 137
Wheat as a fattening feed for steers, Bulletin 332 267
Wildfire of tobacco 132
Winter versus summer feeding of corn to steers, Bulletin 332 267
Yellow ringspot in the plant bed 62
seed transmission of 55